

228 - 537

5.30.2008

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

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

MAY 30 2008

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request First Aid Statement (Correction)
EPA Reg. No. 228-537
Application Dated May 6, 2008

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 05/06/08 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,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



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Nufarm Americas Inc.

150 Harvester Drive, Suite 200

Burr Ridge, IL 60527

Telephone: (630) 455.2000 Facsimile: (630) 455.2001

www.us.nufarm.com

May 6, 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: Dithiopyr 1 EC Herbicide - Commercial
EPA REG. No. 228-537
Label Notification per PR 98-10**

Dear Ms. Hobgood:

We have amended the FIRST AID Section of the Dithiopyr 1 EC Herbicide – Commercial (EPA Reg No 228-537) to match the DER Medical Toxicity of this product submission. Please note this change is only made to the Commercial Label, the Residential label is consistent with the DER.

It is believed this can be revised via notification and is consistent with PRN 98-10 Section II (labeling notifications) part N (Other Revisions). This change has been highlighted for ease in review. Nufarm Americas Inc. certifies that no other changes to the label have been made.

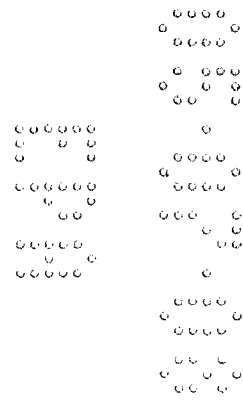
To process this request please find enclosed the following:

- 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 matthewgranahan@us.nufarm.com or contact George Meindl at (630) 455-2017 or e-mail at george.meindl@us.nufarm.com.

Sincerely,

Matthew Granahan
Regulatory Specialist
Nufarm Americas, Inc.





Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

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 United States Environmental Protection Agency 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

1. Company/Product Number 228-537	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dithiopyr 1 EC Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. 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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Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Label notification consistent and 98-10, see cover letter for detailed explanation. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make false statements to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 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

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input 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			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph Paper, glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name George Meindl george.meindl@us.nufarm.com	Title Registration Manager	Telephone No. (Include Area Code) (630) 455-2017
Certification 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.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Manager	
4. Typed Name George Meindl	5. Date 05/06/08	

DITHIOPYR 1 EC HERBICIDE

THIS HERBICIDE PROVIDES CONTROL OR SUPPRESSION LISTED ANNUAL GRASSES AND BROADLEAF WEEDS IN ESTABLISHED LAWNS AND ORNAMENTAL LANDSCAPE AREAS.

ACTIVE INGREDIENT:

Dithiopyr: S,S'-dimethyl 2-(difluoromethyl)-4(2-methylpropyl)- 6-(trifluoromethyl)-3,5-pyridinedicarbothioate. 12.7%

OTHER INGREDIENTS: 87.3%

TOTAL: 100.0%

Contains petroleum distillates
Contains 1 pound per gallon of dithiopyr

In the state of New York, this product may not be applied at more than 1, 0.75 fl. oz./1000 sq. ft. (equivalent to 0.25 lb active ingredient/acre) per year.

KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

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

EPA REG. NO. 228-537
EPA EST. NO.

MANUFACTURED BY
NUFARM AMERICAS INC.
150 HARVESTER DRIVE
BURR RIDGE, IL 60527

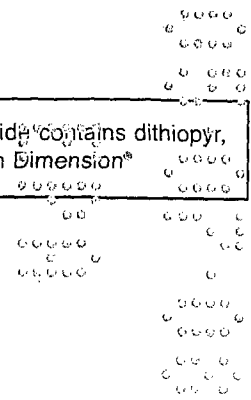


NET CONTENTS

537000.20071205.FIN

Dithiopyr 1 EC Herbicide contains dithiopyr,
the active ingredient in Dimension®

Residential



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING - AVISO**

Causes skin irritation. Causes substantial but temporary eye injury. Harmful if swallowed. Do not get on skin or on clothing. Wear long-sleeved shirt and long pants, socks, chemical resistant footwear and chemical resistant gloves. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear protective eyewear (goggles, face shield or safety gloves). Do not allow people or pets to enter treated areas until sprays have dried.

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 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 a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
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.	

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish and other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. 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.

Notice: Read the entire label. Use only according to label directions. Before using this product, read the WARRANTY DISCLAIMER and LIMITATION OF LIABILITY at the end of this label. If terms are unacceptable, return at once unopened.

Do not use on plants or turf grown for sale or other commercial uses such as sod farms, commercial seed production, or for research purposes.

GENERAL INFORMATION

If applied to established lawns or ornamental landscape areas before weeds germinate, this product will control crabgrass and will control or suppress other listed weeds for up to 4 months. If applied after crabgrass emergence, this product will provide up to 4 weeks control of crabgrass.

MIXING INSTRUCTIONS

Use hand-held pump-up or backpack spray equipment for applications of this product. Fill a clean spray tank with about 3/4 the total amount of water needed and then add the required amount of this product. Finish adding the rest of the water.

Use 1.5 fl. oz. (3 tablespoons) of this product in 1 to 2 gallons of water for every 1,000 sq. ft. treated. In the state of New York, do not apply more than 0.75 fl. oz. (4-1/2 teaspoons) of this product in 1 to 2 gallons of water for every 1,000 sq. ft. treated. (NOTE: 1,000 sq. ft. is the same as an area 100 feet by 10 feet or an area that is 32 feet by 32 feet).

USE RATES

Refer to the chart below for use rates and amounts to use for small treatment areas.

Maximum Use Rates

- Do not apply more than 1.5 fl. oz. of this product per 1,000 sq. ft. per application or more than 4.5 fl. oz./1,000 sq. ft. per year.
- In the state of New York, do not apply more than 0.75 fl. oz. of this product per 1,000 sq. ft. per year (equal to 0.25 lb active ingredient per acre).

Equivalent Amount of this product per 1,000 sq. ft.	Application Rate (Active Ingredient per Acre)	
	0.25 lb. Active ingredient/Acre	0.50 lb. Active ingredient/Acre
fl. oz.	0.75	1.5
Tablespoons	1.5	3
Teaspoons	4.5	9
Milliliters	22.5	45

Equivalent Amount of this product to treat:	Application Rates for Treating Small Areas			
	0.75 fl. oz. per 1000 sq. ft.		1.5 fl. oz. per 1000 sq. ft.	
	100 sq. ft.	500 sq. ft.	100 sq. ft.	500 sq. ft.
fl. oz.	0.075	0.375	0.15	0.75
Teaspoons	1/2	2-1/4	1	4-1/2
Milliliters	2.25	11.25	4.5	22.5

HOW TO OPTIMIZE WEED CONTROL

Best results are obtained when the following steps are taken:

- Apply this product uniformly as a coarse mist over the turfgrass. For ornamental plantings, direct the spray to the soil surface and do not allow the spray to contact the foliage. NOTE: Thorough coverage of the turfgrass or soils is required. When applied to turf, prevent streaking, skips or excess overlap of this product during application. Do not allow sprays to drift into untreated areas.
- Apply this product after the grass is mowed, and wait a few days after application before mowing again.
- To be effective and to provide improved performance, this product must be activated by 1/2 inch of rainfall or sprinkler irrigation after application. Be sure that the irrigation or rainfall occurs within 30 days of application or satisfactory weed control may not be achieved.

DIRECTIONS FOR USE ON ESTABLISHED TURFGRASSES

Use Precautions for Turf

Use this product only on well established lawns and only to species of turfgrass listed on this label. If the lawn has just been established, wait to apply this product until the grass has developed a good root system and uniform stand, and has been mowed at least twice after seeding, sodding or sprigging.

- If turf is not well-established, or has been weakened by stress from extreme temperatures, lack of water, or pests, this product may cause turf injury.
- Activities that disturb the soil (core-, spike-, or hydro-aerification, and verticutting), should be done before this product is applied. Allow the grass to recover after these activities before this product is applied.
- **Reseeding, Overseeding, or Sprigging:** If reseeding, overseeding or sprigging of treated areas occurs within 10 weeks after a single application of this product, or 16 weeks after a split application program totaling more than 1.5 fl. oz./1,000 sq. ft. (2 qt./acre), desirable turfgrass establishment may be inhibited. If this product is applied in the fall, wait 12 weeks after application before reseeding, overseeding or sprigging turf.
- Do not use clippings from treated turf for mulching around vegetables or fruit trees.
- **Re-entry:** Do not allow people or pets to enter treated areas until the sprays have dried.

Apply this product only to established turfgrass species listed below which are tolerant to this product if applied as directed.

Cool-Season Grasses	Warm-Season Grasses
Bentgrass, creeping ¹	Bahiagrass
Bluegrass, Kentucky	Bermudagrass ³
Fescue, Fine ²	Buffalograss ⁴
Fescue, Tall	Carpetgrass
Ryegrass, Perennial	Centipedegrass
	St. Augustinegrass
	Zoysiagrass
¹ Undesirable turfgrass injury may result if this product is used on certain varieties of creeping Bentgrass ('Cohansey', 'Carmen', 'Seaside'), therefore this product is not recommended for use on these varieties. Not all varieties of creeping bentgrass have been tested for tolerance to this product. Do not apply this product to Colonial bentgrass varieties.	
² The following varieties of fescue are sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo'; 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'.	
³ Undesirable turfgrass injury may result if this product is used on 'Tifgreen' (328) hybrid bermudagrass greens.	
⁴ For seedling Buffalograss, do not apply this product in the spring of the first year of establishment. Apply only after the turfgrass is fully green and the roots are well established	

TIMING OF APPLICATIONS

Spring Applications for Crabgrass Control

Pre-emergence Applications: If applied to established lawns areas before weeds germinate, this product will control crabgrass and control or suppress other listed weeds for up to 4 months.

Post-emergence Applications: This product will provide control only of seedling crabgrass for up to 4 weeks after the crabgrass germinates and emerges. If crabgrass begins to spread (tiller), this product will not be effective and should not be applied later than 4 weeks after germination. No other weeds are controlled or suppressed by this product after the weeds have germinated.

Other Grass and Broadleaf Weeds: This product only works to control or suppress other listed weeds if applied as a pre-emergent spray, that is, before the weeds germinate and emerge.

Fall Applications

Pre-emergence Applications: Apply this product in late August through November for pre-emergence control of listed weed (including *Poa annua*). For season-long weed control, follow this fall application with an appropriately timed spring application of this product.

WEEDS CONTROLLED OR SUPPRESSED

The following grass and broadleaf weeds, in addition to crabgrass, will be controlled or suppressed by this product when applied before weeds germinate.

Grasses	Broadleaf Weeds
Barley	Bittercress *
Barnyardgrass	Carpelweed
Bluegrass, annual (<i>Poa annua</i>)	Chickweed *
Brome	Geranium, Carolina *
Crabgrass, large	Henbit
Crabgrass, smooth	Knotweed, prostrate
Crabgrass, Southern	Lespedeza, common *
Crowfootgrass *	Marestail
Dallisgrass (seedling)	Medic, black
Goosegrass	Mustard
Foxtail, green	Oxalis, buttercup
Foxtail yellow	Pineappleweed
Kikuyugrass *	Pigweed, redroot
Oats, wild	Parsley-piert *
Ryegrass, Annual and Perennial	Purslane, common
Sandbur (sandspur, grassbur)	Rocket, London
Smutgrass	Shepherdspurse
	Speedwell, corn *
	Spurge, garden
	Spurge, prostrate
	Spurge, spotted
	Woodsorrel, creeping
	Woodsorrel, yellow
* suppression only	

DIRECTIONS FOR USE ON LANDSCAPE ORNAMENTAL PLANTINGS

Applied as a preemergence spray, this product will control or suppress the listed annual grasses and broadleaf weeds in areas with ornamental plantings. Refer to the sections above on application and mixing directions, use rates and weeds controlled or suppressed.

This product does not control established weeds. It must be applied to bare ground before weeds germinate. Optimum results are obtained if the soil is free of clods, weeds, and debris (i.e., leaves) before application. In addition, remove any existing weeds by hand-weeding, by cultivation, or with a postemergence herbicide.

Direct the sprays of this product to the base of the ornamentals and avoid spray contact or drift to plant foliage. Application of this product over the top of ornamentals is not recommended.

After an application of this product, leave the soil undisturbed.

Make up to three applications at 1.5 fl. oz. per 1,000 sq. ft per year at 3 to 4 month intervals. This application schedule will maintain continuous preemergence weed control. Do not exceed the maximum use rates specified in the Use Rates section above, and refer to the maximum rates permitted in the state of New York.

Precautions for Ornamental Plantings

- Apply this product only to ornamentals that are well established. Make sure that the soil or planting mixes have settled firmly after transplanting and that there are no cracks in the soil to prevent this product from contacting and injuring the plant roots.
- Do not mix the soil after an application of this product to prevent dilution of the product which might cause injury to plant roots.
- To prevent further injury, do not apply this product to ornamental plants that have been weakened or are under stress (due to drought, flooding excessive fertilizer or soil salts, frost damage, hail, wind, winter injury, injury from previously applied pesticides or injury due to insects, nematodes or diseases).
- Do not make applications if windy conditions exist. Such conditions may cause an uneven distribution of the spray droplets and give poor weed control. In addition, drift to non-target areas may occur and injure non-target plant foliage.

TOLERANT ORNAMENTALS

A list of the plants tolerant to this product is found in the table below. Although these ornamental plants have shown tolerance to this product, not all ornamental plant species or varieties have been tested, especially under different growing conditions. Test tolerance by applying this product to a few plants growing in a small area. Evaluate the plants for tolerance when grown under your local conditions before making applications of this product on a large number of plants.

Abelia, Dwarf	Fan Palm, Mexican	Palm, Bangalow
Ajuga	Fern (various)	Pampas Grass
Almond, Flowering	Fescue	Pansy
Apple*	Fetterbush	Paper Flower
Arborvitae	Ficus	Peach*
Arborvitae, Golden	Fir Fraser	Periwinkle, Dwarf
Aster, Chinese	Forsythia	Petunia
Ash, Green	Fountain grass	Photinia, Red Tip
Ash, Mountain	Fuchsia	Pieris
Ash, Purple	Galium	Pine, Australian
Azalea	Gardenia	Pine, Japanese Black
Azalea, Flame	Geranium	Pine, Loblolly
Azalea, Kirishima	Gum	Pine, Longleaf
Bamboo, Heavenly	Hawthorn	Pine, Mugo
Barberry	Heather, Twisted	Pine, Scotch
Barberry, Purple	Hemlock, Canada	Pine, Slash
Basket flower	Hibiscus	Pine, Swiss Mt.
Beach grass	Holly	Pine, Virginia
Bearberry (common)	Holly, Chinese	Pine, White
Bee Balm	Holly, Japanese	Pineapple, Guava*
Begonia	Holly, Yaupon	Pittosporum, Japan
Birch, River	Honeysuckle	Potentilla
Blackeyed Susan	Hosta	Privet
Blanket Flower	Ice plant	Privet, Glossy
Blueberry*	Impatiens	Pyracantha
Bottlebrush	Iris	Queen Palm
Boxwood, Japanese	Ivy, English	Quince, Japanese*
Boxwood, Weller	Jasmine, Asian	Rhododendron
Broom	Juniper	Rhododendron, Carolina
Bugle Carpet	King palm	Rhododendron, Catawba
Camellia	Laurel, Australian	Rockcress
Candy Tuft	Laurel, Mountain	Rhodie Max (Rosebay)
Carex, Variegated	Leucothoe	Rose*
Cedar, Red	Ligustrum, Japanese	Rosemary*
Celosia	Lily, African	Rosemary, Bog
Centaura	Lily, African Blue	Salvia
Cockscomb, Plumosa	Lily of the Valley	Sedum
Coleus	Lilyturf	Snapdragon
Columbine	Liriope, Green	Sourwood
Copper leaf	Maple, Japanese	Spiraea
Coreopsis	Maple, Norway	Spiraea, Garland
Corn Flower	Maple, Red*	Spruce, Black Hills
Cotoneaster	Maple, Silver	Spruce, Colorado Blue
Coyotebrush	Maple Sugar*	Spruce, Norway
Cycads	Marigold	Spruce, White
Cypress, Bald	Mock Orange*	Sweetflag, Grassyy-Le
Cypress, Italian	Mondo Grass	Sweetgum
Cypress, Japanese False	Moss Rose	Sycamore
Cypress, Leyland	Myrtle, Crape	Tree Fern (Tiki Fern)
Daffodil	Myrtle, Wax	Trumpet Flower, Evening
Daylily	Nandina	Tulip
Dianthus (Sweet William)	Narcissus	Verbena, Shrub
Delphinium	Oak, Laurel	Vervain
Dogwood	Oak, Pin	Viburnum
Dogwood, American	Oak, Red	Vinca (Periwinkle)
Douglas Fir	Oak, Southern	Windmill Palm
Dusty Miller	Oak, Willow	Xylosma
Elm, Drake	Oleander	Yarrow
Euonymus	Osteospermum	Yaupon
Fan Palm, European	Pachysandra	Yew

* Ornamental species only. DO NOT USE ON FOOD-PRODUCING TREES AND PLANTS.

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store this product only in its original container in a dry, cool secured storage area.

CONTAINER DISPOSAL: If empty: Do not reuse this container. Place in trash or offer for recycling, if available. If partly filled: Call you local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor 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 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.

(RV120507)

11/17

DITHIOPYR 1 EC HERBICIDE

THIS HERBICIDE PROVIDES CONTROL OR SUPPRESSION LISTED ANNUAL GRASSES AND BROADLEAF WEEDS IN ESTABLISHED LAWNS AND ORNAMENTAL LANDSCAPE AREAS.

ACTIVE INGREDIENT:

Dithiopyr: S,S'-dimethyl 2-(difluoromethyl)-4(2-methylpropyl)- 6-(trifluoromethyl)-3,5-pyridinedicarbothioate..... 12.7%

OTHER INGREDIENTS: 87.3%

TOTAL: 100.0%

Contains petroleum distillates

Contains 1 pound per gallon of dithiopyr

In the state of New York, this product may not be applied at more than 1, 0.75 fl. oz./1000 sq. ft. (equivalent to 0.25 lb active ingredient/acre) per year.

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

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

EPA REG. NO. 228-537
EPA EST. NO.

MANUFACTURED BY
NUFARM AMERICAS INC.
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



NET CONTENTS

537000.20071205.FIN

Dithiopyr 1 EC Herbicide contains dithiopyr,
the active ingredient in Dimension®

Residential

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING - AVISO**

Causes skin irritation. Causes substantial but temporary eye injury. Harmful if swallowed. Do not get on skin or on clothing. Wear long-sleeved shirt and long pants, socks, chemical resistant footwear and chemical resistant gloves. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear protective eyewear (goggles, face shield or safety gloves). Do not allow people or pets to enter treated areas until sprays have dried.

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 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 a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
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.	

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish and other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. 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.

Notice: Read the entire label. Use only according to label directions. Before using this product, read the WARRANTY DISCLAIMER and LIMITATION OF LIABILITY at the end of this label. If terms are unacceptable, return at once unopened.

Do not use on plants or turf grown for sale or other commercial uses such as sod farms, commercial seed production, or for research purposes.

GENERAL INFORMATION

If applied to established lawns or ornamental landscape areas before weeds germinate, this product will control crabgrass and will control or suppress other listed weeds for up to 4 months. If applied after crabgrass emergence, this product will provide up to 4 weeks control of crabgrass.

MIXING INSTRUCTIONS

Use hand-held pump-up or backpack spray equipment for applications of this product. Fill a clean spray tank with about 3/4 the total amount of water needed and then add the required amount of this product. Finish adding the rest of the water.

Use 1.5 fl. oz. (3 tablespoons) of this product in 1 to 2 gallons of water for every 1,000 sq. ft. treated. In the state of New York, do not apply more than 0.75 fl. oz. (4-1/2 teaspoons) of this product in 1 to 2 gallons of water for every 1,000 sq. ft. treated. (NOTE: 1,000 sq. ft. is the same as an area 100 feet by 10 feet or an area that is 32 feet by 32 feet).

USE RATES

Refer to the chart below for use rates and amounts to use for small treatment areas.

Maximum Use Rates

- Do not apply more than 1.5 fl. oz. of this product per 1,000 sq. ft. per application or more than 4.5 fl. oz./1,000 sq. ft. per year.
- **In the state of New York, do not apply more than 0.75 fl. oz. of this product per 1,000 sq. ft. per year (equal to 0.25 lb active ingredient per acre).**

Equivalent Amount of this product per 1,000 sq. ft.	Application Rate (Active Ingredient per Acre)	
	0.25 lb. Active ingredient/Acre	0.50 lb. Active ingredient/Acre
fl. oz.	0.75	1.5
Tablespoons	1.5	3
Teaspoons	4.5	9
Milliliters	22.5	45

Equivalent Amount of this product to treat:	Application Rates for Treating Small Areas			
	0.75 fl. oz. per 1000 sq. ft.		1.5 fl. oz. per 1000 sq. ft.	
	100 sq. ft.	500 sq. ft.	100 sq. ft.	500 sq. ft.
fl. oz.	0.075	0.375	0.15	0.75
Teaspoons	1/2	2-1/4	1.	4-1/2
Milliliters	2.25	11.25	4.5	22.5

HOW TO OPTIMIZE WEED CONTROL

Best results are obtained when the following steps are taken:

- Apply this product uniformly as a coarse mist over the turfgrass. For ornamental plantings, direct the spray to the soil surface and do not allow the spray to contact the foliage. NOTE: Thorough coverage of the turfgrass or soils is required. When applied to turf, prevent streaking, skips or excess overlap of this product during application. Do not allow sprays to drift into untreated areas.
- Apply this product after the grass is mowed, and wait a few days after application before mowing again.
- To be effective and to provide improved performance, this product must be activated by 1/2 inch of rainfall or sprinkler irrigation after application. Be sure that the irrigation or rainfall occurs within 30 days of application or satisfactory weed control may not be achieved.

DIRECTIONS FOR USE ON ESTABLISHED TURFGRASSES

Use Precautions for Turf

Use this product only on well established lawns and only to species of turfgrass listed on this label. If the lawn has just been established, wait to apply this product until the grass has developed a good root system and uniform stand, and has been mowed at least twice after seeding, sodding or sprigging.

- If turf is not well-established, or has been weakened by stress from extreme temperatures, lack of water, or pests, this product may cause turf injury.
- Activities that disturb the soil (core-, spike-, or hydro-aerification, and verticutting), should be done before this product is applied. Allow the grass to recover after these activities before this product is applied.
- **Reseeding, Overseeding, or Sprigging:** If reseeding, overseeding or sprigging of treated areas occurs within 10 weeks after a single application of this product, or 16 weeks after a split application program totaling more than 1.5 fl. oz./1,000 sq. ft. (2 qt./acre), desirable turfgrass establishment may be inhibited. If this product is applied in the fall, wait 12 weeks after application before reseeding, overseeding or sprigging turf.
- Do not use clippings from treated turf for mulching around vegetables or fruit trees.
- **Re-entry:** Do not allow people or pets to enter treated areas until the sprays have dried.

Apply this product only to established turfgrass species listed below which are tolerant to this product if applied as directed.

Cool-Season Grasses	Warm-Season Grasses
Bentgrass, creeping ¹	Bahiagrass
Bluegrass, Kentucky	Bermudagrass ³
Fescue, Fine ²	Buffalograss ⁴
Fescue, Tall	Carpetgrass
Ryegrass, Perennial	Centipedegrass
	St. Augustinegrass
	Zoysiagrass
¹ Undesirable turfgrass injury may result if this product is used on certain varieties of creeping Bentgrass ('Cohansey', 'Carmen', 'Seaside'), therefore this product is not recommended for use on these varieties. Not all varieties of creeping bentgrass have been tested for tolerance to this product. Do not apply this product to Colonial bentgrass varieties.	
² The following varieties of fescue are sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'.	
³ Undesirable turfgrass injury may result if this product is used on 'Tifgreen' (328) hybrid bermudagrass greens.	
⁴ For seedling Buffalograss, do not apply this product in the spring of the first year of establishment. Apply only after the turfgrass is fully green and the roots are well established	

TIMING OF APPLICATIONS

Spring Applications for Crabgrass Control

Pre-emergence Applications: If applied to established lawns areas before weeds germinate, this product will control crabgrass and control or suppress other listed weeds for up to 4 months.

Post-emergence Applications: This product will provide control only of seedling crabgrass for up to 4 weeks after the crabgrass germinates and emerges. If crabgrass begins to spread (tiller), this product will not be effective and should not be applied later than 4 weeks after germination. No other weeds are controlled or suppressed by this product after the weeds have germinated.

Other Grass and Broadleaf Weeds: This product only works to control or suppress other listed weeds if applied as a pre-emergent spray, that is, before the weeds germinate and emerge.

Fall Applications

Pre-emergence Applications: Apply this product in late August through November for pre-emergence control of listed weed (including *Poa annua*). For season-long weed control, follow this fall application with an appropriately timed spring application of this product.

WEEDS CONTROLLED OR SUPPRESSED

The following grass and broadleaf weeds, in addition to crabgrass, will be controlled or suppressed by this product when applied before weeds germinate.

Grasses	Broadleaf Weeds
Barley	Bittercress *
Barnyardgrass	Carpetweed
Bluegrass, annual (<i>Poa annua</i>)	Chickweed *
Brome	Geranium, Carolina *
Crabgrass, large	Henbit
Crabgrass, smooth	Knotweed, prostrate
Crabgrass, Southern	Lespedeza, common *
Crowfootgrass *	Marestail
Dallisgrass (seedling)	Medic, black
Goosegrass	Mustard
Foxtail, green	Oxalis, buttercup
Foxtail yellow	Pineappleweed
Kikuyugrass *	Pigweed, redroot
Oats, wild	Parsley-piert *
Ryegrass, Annual and Perennial	Purslane, common
Sandbur (sandspur, grassbur)	Rocket, London
Smutgrass	Shepherdspurse
	Speedwell, corn *
	Spurge, garden
	Spurge, prostrate
	Spurge, spotted
	Woodsorrel, creeping
	Woodsorrel, yellow

* suppression only

DIRECTIONS FOR USE ON LANDSCAPE ORNAMENTAL PLANTINGS

Applied as a preemergence spray, this product will control or suppress the listed annual grasses and broadleaf weeds in areas with ornamental plantings. Refer to the sections above on application and mixing directions, use rates and weeds controlled or suppressed.

This product does not control established weeds. It must be applied to bare ground before weeds germinate. Optimum results are obtained if the soil is free of clods, weeds, and debris (i.e., leaves) before application. In addition, remove any existing weeds by hand-weeding, by cultivation, or with a postemergence herbicide.

Direct the sprays of this product to the base of the ornamentals and avoid spray contact or drift to plant foliage. Application of this product over the top of ornamentals is not recommended.

After an application of this product, leave the soil undisturbed.

Make up to three applications at 1.5 fl. oz. per 1,000 sq. ft per year at 3 to 4 month intervals. This application schedule will maintain continuous preemergence weed control. Do not exceed the maximum use rates specified in the Use Rates section above, and refer to the maximum rates permitted in the state of New York.

Precautions for Ornamental Plantings

- Apply this product only to ornamentals that are well established. Make sure that the soil or planting mixes have settled firmly after transplanting and that there are no cracks in the soil to prevent this product from contacting and injuring the plant roots.
- Do not mix the soil after an application of this product to prevent dilution of the product which might cause injury to plant roots.
- To prevent further injury, do not apply this product to ornamental plants that have been weakened or are under stress (due to drought, flooding excessive fertilizer or soil salts, frost damage, hail, wind, winter injury, injury from previously applied pesticides or injury due to insects, nematodes or diseases).
- Do not make applications if windy conditions exist. Such conditions may cause an uneven distribution of the spray droplets and give poor weed control. In addition, drift to non-target areas may occur and injure non-target plant foliage.

TOLERANT ORNAMENTALS

A list of the plants tolerant to this product is found in the table below. Although these ornamental plants have shown tolerance to this product, not all ornamental plant species or varieties have been tested, especially under different growing conditions. Test tolerance by applying this product to a few plants growing in a small area. Evaluate the plants for tolerance when grown under your local conditions before making applications of this product on a large number of plants.

Abelia, Dwarf	Fan Palm, Mexican	Palm, Bangalow
Ajuga	Fern (various)	Pampas Grass
Almond, Flowering	Fescue	Pansy
Apple*	Fetterbush	Paper Flower
Arborvitae	Ficus	Peach*
Arborvitae, Golden	Fir Fraser	Periwinkle, Dwarf
Aster, Chinese	Forsythia	Petunia
Ash, Green	Fountain grass	Photinia, Red Tip
Ash, Mountain	Fuchsia	Pieris
Ash, Purple	Galium	Pine, Australian
Azalea	Gardenia	Pine, Japanese Black
Azalea, Flame	Geranium	Pine, Loblolly
Azalea, Kirishima	Gum	Pine, Longleaf
Bamboo, Heavenly	Hawthorn	Pine, Mugo
Barberry	Heather, Twisted	Pine, Scotch
Barberry, Purple	Hemlock, Canada	Pine, Slash
Basket flower	Hibiscus	Pine, Swiss Mt.
Beach grass	Holly	Pine, Virginia
Bearberry (common)	Holly, Chinese	Pine, White
Bee Balm	Holly, Japanese	Pineapple, Guava*
Begonia	Holly, Yaupon	Pittosporum, Japan
Birch, River	Honeysuckle	Potentilla
Blackeyed Susan	Hosta	Privet
Blanket Flower	Ice plant	Privet, Glossy
Blueberry*	Impatiens	Pyracantha
Bottlebrush	Iris	Queen Palm
Boxwood, Japanese	Ivy, English	Quince, Japanese*
Boxwood, Weller	Jasmine, Asian	Rhododendron
Broom	Juniper	Rhododendron, Carolina
Bugle Carpet	King palm	Rhododendron, Catawba
Camellia	Laurel, Australian	Rockcress
Candy Tuft	Laurel, Mountain	Rhodie Max (Rosebay)
Carex, Variegated	Leucothoe	Rose*
Cedar, Red	Ligustrum, Japanese	Rosemary*
Celosia	Lily, African	Rosemary, Bog
Centaura	Lily, African Blue	Salvia
Cockscomb, Plumosa	Lily of the Valley	Sedum
Coleus	Lilyturf	Snapdragon
Columbine	Liriope, Green	Sourwood
Copper leaf	Maple, Japanese	Spiraea
Coreopsis	Maple, Norway	Spiraea, Garland
Corn Flower	Maple, Red*	Spruce, Black Hills
Cotoneaster	Maple, Silver	Spruce, Colorado Blue
Coyotebrush	Maple Sugar*	Spruce, Norway
Cycads	Marigold	Spruce, White
Cypress, Bald	Mock Orange*	Sweetflag, Grassyy-Le
Cypress, Italian	Mondo Grass	Sweetgum
Cypress, Japanese False	Moss Rose	Sycamore
Cypress, Leyland	Myrtle, Crape	Tree Fern (Tiki Fern)
Daffodil	Myrtle, Wax	Trumpet Flower, Evening
Daylily	Nandina	Tulip
Dianthus (Sweet William)	Narcissus	Verbena, Shrub
Delphinium	Oak, Laurel	Vervain
Dogwood	Oak, Pin	Viburnum
Dogwood, American	Oak, Red	Vinca (Periwinkle)
Douglas Fir	Oak, Southern	Windmill Palm
Dusty Miller	Oak, Willow	Xylosma
Elm, Drake	Oleander	Yarrow
Euonymus	Osteospermum	Yaupon
Fan Palm, European	Pachysandra	Yew

* Ornamental species only. DO NOT USE ON FOOD-PRODUCING TREES AND PLANTS.

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store this product only in its original container in a dry, cool secured storage area.

CONTAINER DISPOSAL: If empty: Do not reuse this container. Place in trash or offer for recycling, if available. If partly filled: Call you local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor 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.

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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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