

228-563

12/03/2007

1/9



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505P)
 Ariel Rios Building
 1200 Pennsylvania Ave. NW
 Washington, D.C. 20460

EPA Reg. Number:
 228-563

Date of Issuance:
 DEC - 3 2007

Term of Issuance: Conditional

Name of Pesticide Product:
 Dynamo™ Crabgrass
 Prevention and Control

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Nufarm Americas, Inc.
 150 Harvester Drive, Suite 200
 Burr Ridge, IL 60527

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Add the phrase "EPA Registration No. 228-563 to the label before you release the product for shipment.

COMMENTS CONTINUED ON PAGES 2 OF THIS NOTICE OF REGISTRATION

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product under the enclosed stamped copy of the label constitutes acceptance of these conditions.

Enclosure

Kathryn V. Montague
 Acting Product Manager (23)
 Herbicide Branch
 Registration Division (7505P)

Signature of Approving Official:

Date:

DEC - 3 2007

2/9

2. Under the "Use Directions and Precautions" section, revise the last sentence in the 1st paragraph to read: "Do not make an application of this product nor expect control with an application;".
 3. Revise the range of dosages in the chart on page 4 to tell when to use the dosages given in the range of dosages listed.
 4. Revise the "Limitation of Liability" statements on page 6 by adding "**To the extent consistent with applicable law**", to preface each of last two sentences.
 5. On page 7, add "(lbs)" following "x.x*" to show content of nitrogen, and revise the footnote to read: "* Number of pounds would".
 6. As this is a product that bears fertilizer claims, the percent nitrogen, phosphorous and potassium must be given on the label of this product. Give as required for fertilizer labeling.
 7. Submit to his Agency a copy of the purchasing order or bill of sales showing the source of the product named on the Formulator's Exemption Statement dated August 13, 2007 and with which this product is to be manufactured; prior to manufacturing this pesticide product.
 8. Submit one (1) copy of the final printed labeling before you release this product for shipment.
 9. Submit and/or cite all data required for the registration of this product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of this product under FIFRA, section 4.
-

3/9

Dynamo™

Crabgrass Prevention and Control

In the state of New York, do not exceed 4.4 lbs. product per 1000 sq. ft. (0.25 lb. Active ingredient per acre) per year. Do not apply more than once per year to the same area.

ACTIVE INGREDIENT:

Dithiopyr: S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate..... 0.13%

OTHER INGREDIENTS:..... 99.87%

TOTAL:..... 100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

See back panel for additional precautionary statements.

FIRST AID	
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 inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further 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.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this product may cause allergic reaction in some individuals.



Manufactured for:
Nufarm Americas, Inc.
Burr Ridge, IL 60527

EPA Reg. No. 228-

Net Weight: xx LBS. (x.x kg)

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:

DEC - 3 2007
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

Dynamo™ contains dithiopyr, the active ingredient in Dimension®.

EPA Est. No.

Covers: x,xxx Sq. Ft.

208-563

ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to 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, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE SUCH AS SOD, OR FOR COMMERCIAL SEED PRODUCTION, OR FOR RESEARCH PURPOSES.

Use Directions and Precautions

This product contains the active ingredient dithiopyr, a herbicide that can be applied up to 4 weeks later than other crabgrass preventers and still provide season-long control. This product prevents crabgrass and other listed annual grasses and broadleaf weeds up to 4 months, when applied prior to their germination in lawns and ornamental turfgrasses. It also provides post emergence control of seedling crabgrass for up to 4 weeks after it germinates. Do not make an application of this product, nor expect control with applications, later than 4 weeks after crabgrass germination.

This product should be applied to lawns and ornamental turfgrasses that are well established. It will not harm nearby established ornamentals when used according to directions in this label.

Not for use on newly seeded lawns. The application of this product should be made to seeded, sodded, or sprigged lawns and ornamental turfs that are well established (defined as turfgrass with a well-developed and vigorous root system, with a uniform stand, and which have received a minimum of two mowings after the seeding, sodding, or sprigging). Chances of turfgrass injury increase if this product is applied to lawns or turfgrasses that are not well established or are weakened by stress due to disease, mechanical operations, pests, or weather conditions of excessive heat or lack of moisture. Do not apply this product to lawns or turfgrasses that are under stress.

Reseeding, Overseeding, or Sprigging

To ensure establishment of desirable turfgrasses, do not reseed, overseed, or sprig areas treated with this product within 8 weeks after application of this product. Reseeding, overseeding, or sprigging before 8 weeks or earlier after application may injure or prevent the establishment of desired new turfgrasses.

Application Limitations

Do not apply more than 8.8 lbs. of this product per 1,000 sq. ft. per application, and no more than 26.4 lbs. of this product per 1,000 sq. ft. per year. **In the State of New York, do not exceed 4.4 lbs. of this product per 1,000 sq. ft. (0.25 lb. Active ingredient per acre) per year.**

Do not use clippings from treated turf for mulching, vegetables, vines, or fruit trees from which feed or food products may be harvested.

Keep people and pets off treated areas until dust has settled.

Weeds Controlled and/or Suppressed

Grass Weeds

Barnyardgrass
Bluegrass, annual, roughstalk
Crabgrass
Crowfootgrass
Foxtail, green and yellow
Goosegrass
Kikuyugrass (seedling)
Ryegrass, annual and perennial
Smutgrass (seedling)

Broadleaf Weeds

Bittercress
Chickweed
Geranium, Carolina
Henbit
Lespedeza, common
Oxalis, buttercup, creeping and yellow woodsorrel
Parsley-piert
Pineapplewood
Purslane, common
Shepherdspurse
Speedwell, corn
Spurge, prostrate and spotted

Turfgrass Tolerance

This product can be applied to the following turfgrass species listed below when used as directed.

Tolerant Turfgrass Species

Cool-Season Grasses

Bentgrass, creeping (*Agrostis palustris*)
Bluegrass, Kentucky (*Poa pratensis*)
Fescue, fine (*Festuca rubra*)
Fescue, tall (*Festuca arundinacea*)
Ryegrass, perennial (*Lolium perenne*)

Warm-Season Grasses

Bahiagrass (*Paspalum notatum*)
Bermudagrass (*Cynodon dactylon*)
Buffalograss (*Buchloe dactyloides*)
Carpetgrass (*Axonopus affinis*)
Centipedegrass (*Eremochloa ophiuroides*)
Kikuyugrass (*Pennisetum clandestinum*)
St. Augustinegrass (*Stenotaphrum secundatum*)
Zoysiagrass (*Zoysia japonica*)

Application Frequency and Timing

This product should be applied in the spring or in the fall prior to weed germination for control of weeds in established lawns and ornamental turfgrasses. When this product is applied in the fall, this fall application must be followed by a sequential or second application of this product the following spring in order to provide season-long control of weeds. If this product is applied in the fall, do not reseed, overseed or sprig turfgrasses before 12 weeks after application due to potential turfgrass injury to the newly reseeded, overseeded or sprigged turfgrasses.

When establishing a new lawn of Kentucky Bluegrass, Perennial Ryegrass and/or Tall Fescue, this product may be applied 2 weeks after the first sign of turfgrass germination. For other turfgrasses, wait until the grass is well established (2 mowings) before applying this product. Do not apply this product within an 8 week period prior to seeding, reseeding, overseeding or sprigging.

Applying this product within a few days after mowing and delaying further mowing until the turfgrass has been watered or receives rainfall to dissolve the fertilizer granules may improve weed control.

This product will provide up to 4 months of weed control if applied according to label directions. Actual time of control will vary depending on the use rate, weather conditions, condition of the turfgrass, and intensity of weed pressure.

6/9

Post Emergence Crabgrass Control in Turfgrass

For post emergence crabgrass control, apply this product when crabgrass is small (3-4 leaf). This product will not control large tillered crabgrass.

APPLICATION USE RATES FOR DIFFERENT REGIONS WITHIN THE UNITED STATES			
Lbs. of Product per 1,000 Sq. Ft.			
Region	Control for 2 to 3 months	Control for 3 to 4 months	Early Post Emergence Control
North	2.2	3.1	3.9 - 8.8
South	3.4	3.9 - 4.5	3.9 - 8.8

Insertion of Use Regions within the United States defining North/South Here

North: AK, CT, DC, DE, IA, ID, IL, IN, KY, MA, MD, ME, MI, MN, MO, MT, ND, NE, NH, NJ, NY, OH, OR, PA, RI, SD, VA, VT, WA, WI, WV, WY

South: AL, AR, AZ, CA, CO, FL, GA, HI, KS, LA, MS, NC, NM, NV, OK, SC, TN, TX, UT

Application Instructions and Equipment

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides but avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Follow the manufacturer's directions to calibrate the spreader and check equipment often to verify calibration and to ensure proper dispersion and distribution of the granules. Adjust the spreader settings to ensure delivery of the recommended application rate under actual application conditions. Apply this product uniformly over the treatment area and avoid streaking, skips, or overlaps during application. To improve uniform coverage, apply one-half of the required amount of this product over the treated area and then apply the remaining one-half of product by walking in a different direction (such as at a right angle to the first direction)

Drop Spreader Settings

Option 1 (for 22 lbs. bag covering 5,000 sq. ft.):

Apply in a single pass at a rate of approximately 4.4 lbs. per 1,000 sq. ft. Start on the outside border and apply in a circular path working toward the center. Overlap the coverage slightly, and shut off spreader before making hard turns.

Option 2 (for 17 lbs. bag covering 5,000 sq. ft.):

Apply in a single pass at a rate of approximately 3.4 lbs. per 1,000 sq. ft. Start on the outside border and apply in a rectangular path working back and forth across the length of the lawn. Overlap the coverage slightly, and shut off spreader before making hard turns.

[Optional Text] Recommended Spreader Settings

Use the following chart as a guide for establishing an accurate application rate of this product. Rates will vary depending on speed, equipment wear and condition of spreader. Calibrate application equipment according to the manufacturer's directions prior to use and check frequently to be sure the equipment is working properly and distributing this product uniformly and accurately.

7/9

Insert additional or alternate list of application spreaders and settings based on carrier used. (This note will not appear on the final printed label).

Broadcast Spreader Settings

Option 1 (for 22 lbs. bag covering 5,000 sq. ft.):

Apply in a single pass at a rate of approximately 4.4 lbs. per 1,000 sq. ft. Start on the outside border and apply in a circular path working toward the center. A little overlap coverage is desirable.

Option 2 (for 17 lbs. bag covering 5,000 sq. ft.):

Apply in a single pass at a rate of approximately 3.4 lbs. per 1,000 sq. ft. Start on the outside border and apply in a circular path working toward the center. Overlap the coverage slightly, and shut off spreader before making hard turns.

[Optional Text] Recommended Spreader Settings

Use the following chart as a guide for establishing an accurate application rate of this product. Rates will vary depending on speed, equipment wear and condition of spreader. Calibrate application equipment according to the manufacturer's directions prior to use and check frequently to be sure the equipment is working properly and distributing this product uniformly and accurately.

Insert additional or alternate list of application spreaders and settings based on carrier used. (This note will not appear on the final printed label).

(For 22 lbs. bag covering 5,000 sq. ft.): To calibrate your spreader: 1 lb. of material should cover approximately 227 sq. ft.

(For 17 lbs. bag covering 5,000 sq. ft.): To calibrate your spreader: 1 lb. of material should cover approximately 294 sq. ft.

STORAGE AND DISPOSAL

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

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

Pesticide Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

Container Disposal:

If Empty: Do not reuse empty bag. Dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Spill: In case of spill, sweep up material and dispose of material according to "Disposal" directions provided above.

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. 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 RISING 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. 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.

(NEW)

Dynamo™ Crabgrass Prevention and Control is not manufactured or distributed by Dow AgroSciences LLC, seller of Dimension®. Dimension® is a registered trademark of Dow AgroSciences LLC. Dynamo™ is a trademark of Nufarm Americas, Inc.

[Optional Text]: Guaranteed Fertilizer Analysis: XX-XX-XX*

Water-Insoluble Nitrogen	XX%
Total Nitrogen (N)	XX%
Ammoniacal Nitrogen	XX%
Urea Nitrogen.....	XX%
Available Phosphoric Acid (P ₂ O ₅).....	XX%
Soluble Potash (K ₂ O).....	XX%
Calcium (Ca).....	XX%
Magnesium (Mg).....	XX%
Copper (Cu).....	XX%
Iron (Fe).....	XX%
Manganese (Mn).....	XX%
Zinc (Zn).....	XX%

*This product may be formulated with one or more of the following fertilizer materials: urea, methylene urea, sulfur coated urea, ammoniated phosphates, sulfate of potash, muriate of potash, copper oxide, iron oxide, manganese oxide, zinc oxide or limestone.

[Optional Text]: Advertising Marketing Media Hype that may be presented on the label

A Herbicide that Provides Control and Prevention of Crabgrass and Other Grass Type Weeds as well as Listed Broadleaf Weeds in Established Lawns. Apply in Spring.

A Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and Other Weeds in Established Lawns and Residential Landscapes.

Premium Granular Fertilizer – Providing the Nutrients Needed for Beautiful Lawns and Ornamental Turfgrasses for Up to x* Months.

Thick Well-Fed Grass Provides a Natural Barrier to Further Weed Infestation.

Can Be Applied Up to 4 Weeks Later Than Other Preemergence Crabgrass Preventers.

Only one application needed with new nitrogen technologies.

Extended time-release feeding of nitrogen greens into summer without excess growth.

Prevents crabgrass for up to 120 days.

x.x* Nitrogen/1,000 sq.ft.

x/x* of the Nitrogen is Slow Release.

Prevents crabgrass, foxtail, spurge and many other weeds.

Can be applied up to 4 weeks later than other crabgrass preventers.

Prevents poa annua with late summer or early fall application.

Good Housekeeping Seal (insertion of symbol)

Depending on the product analysis – the following statement may or may not appear under the General Information for Turf Use section:

This product is a premium quality combination product that provides both weed control and the required nutrients for optimum turfgrass growth - all in a single product.

**FAIRWAY FORMULA FERTILIZER
WHAT IS SLOW RELEASE NITROGEN?**

Greenview Fairway Formula Fertilizers utilize unique, slow release nitrogen sources developed for professionals.

- MESA™ Provides rapid, deep greening. Feeds up to 6 weeks.
- METH-EX® Slow, continuous feeding activated by warming soil temperatures. Feeds up to 12 weeks.
- IBDU® Feeds in cool, wet weather. Great for early spring and winter. Feeds up to 16 weeks.

xx*% Slowly Available Nitrogen / xx*% Total Nitrogen = x/x* of the Nitrogen is Slow Release

** Number would be determined by fertilizer analysis used by manufacturer.*