

32802-71

11/30/2012

1/9



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Wendy Danowski  
Howard Johnson's Enterprises, Inc.  
9675 S. 60<sup>th</sup> Street  
Franklin, WI 53132

NOV 30 2012

Subject: Notification; Per PR-Notice 98-10  
Dithiopyr 0.107 Plus  
EPA Reg. No. 32802-71  
Date Submitted: November 16, 2012

Proposed Alternate Brand Names:

Grip Prevents Crabgrass Plus with 0.107% Dithiopyr  
Howard Johnson's Prevents Crabgrass Plus with 0.107% Dimension  
Pennington Seed Prevents Crabgrass Plus with 0.107% Dithiopyr  
Pennington Seed Prevents Crabgrass Plus with 0.107% Dimension  
Valley Green Prevents Crabgrass Plus with 0.107% Dithiopyr  
Valley Green Prevents Crabgrass Plus with 0.107% Dimension

Dear Ms. Danowski:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated November 16, 2012 for the product referenced above. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls 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 regarding this letter, please contact me at (703) 306-0415 or [davis.kable@epa.gov](mailto:davis.kable@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", enclosed within a large, hand-drawn oval.

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

(A) **EPA** United States Environmental Protection Agency  
Office of Pesticide Programs (H7505C)  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide:**

**Section I**

1. Company/Product Number  
Howard Johnson's Ent./32802-71

2. EPA Product Manager  
Kathryn Montague

3. Proposed Classification  
 None  Restricted

4. Company/Product (Name)  
Howard Johnson's Ent / Dithiopyr 0.107 Plus

PM#  
23

5. Name and Address of Applicant (Include ZIP Code)  
Howard Johnson's Enterprises, Inc  
9675 S 60th Street,  
Franklin, WI 53132  
 Check if this is a new address

6. Expedited Review. In accordance with FIFRT Section 30(3) (b)(I), my product is similar or identical in composition and labeling to:  
**NOTIFICATION**  
EPA Reg. No. \_\_\_\_\_  
Product Name \_\_\_\_\_ **NOV 30 2012**

**Section II**

Amendment - Explain below  
 Resubmission in response to Agency letter dated \_\_\_\_\_  
 Notification - Explain below.

Final printed labels in response to Agency letter dated \_\_\_\_\_  
 "Me Too" Application.  
 Other - explain below.

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.) Notification per PR 98-10 Submission of 6 new Alternate Brand Names Per 98-10; Grip Prevents Crabgrass Plus with 0.107% Dithiopyr; Howard Johnson's Prevents Crabgrass Plus with 0.107% Dimension; Pennington Seed Prevents Crabgrass Plus with 0.107% Dithiopyr; Pennington Seed Prevents Crabgrass Plus with 0.107% Dimension; Valley Green Prevents Crabgrass Plus with 0.107% Dithiopyr; Valley Green Prevents Crabgrass Plus with 0.107% Dimension. 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 any false statement 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. Since this is a notification, we expect no PRIA fee is required. For further information, please contact Wendy Danowski: E-mail: wdanowski@central.com; Telephone: (414) 304-3590

**Section III**

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No.	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
*Certification must be submitted.		If "Yes," Unit Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container 10# - 50#	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner In Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		Other (paper in clear poly envelope)	

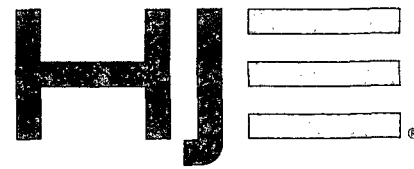
**Section IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Wendy Danowski	Title Regulatory Specialist	Telephone No. (Include Area Code) (414) 304-3590
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**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.

2. Signature 	3. Title Regulatory Specialist	6. Date Application Received (Stamped)
4. Typed Name Wendy Danowski	5. Date 11-16-2012	



November 16, 2012

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

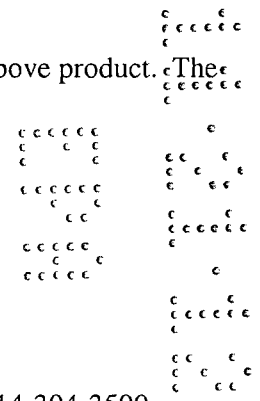
ATTENTION: K. Montague, PM23

SUBJECT: Per PRN 98-10 NOTIFICATION OF ALTERNATE BRAND NAME  
For DITHIOPYR 0.107% Plus  
EPA Reg. No. 32802-71

Dear Ms. Montague,

Enclosed is a completed EPA form 8570-1 and 1 copy of revised labeling for the above product. The label cover sheet details the change. The alternate brand names are:

- Grip Prevents Crabgrass Plus with 0.107% Dithiopyr
- Howard Johnson's Crabgrass Prevents Crabgrass Plus with 0.107% Dimension
- Pennington Seed Prevents Crabgrass Plus with 0.107% Dithiopyr
- Pennington Seed Prevents Crabgrass Plus with 0.170% Dimension
- Valley Green Prevents Crabgrass Plus with 0.107% Dithiopyr
- Valley Green Prevents Crabgrass Plus with 0.170% Dimension



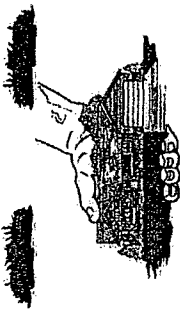
If you have any questions or need further assistance please contact me directly at 414-304-3590.  
Thank you for your assistance.

Sincerely,  
HOWARD JOHNSON'S ENT., INC.

Wendy Danowski  
Regulatory Specialist  
[w.danowski@hjefertilizer.com](mailto:w.danowski@hjefertilizer.com)

Enclosures: Notification of Additional Brand Name  
Copy of Product Label  
Certification

GRIP



# PREVENTS CRABGRASS PLUS with 0.107% DITHIOPYR

SELECTIVE HERBICIDE PLUS FERTILIZER FOR PREEMERGENCE CONTROL OF LISTED ANNUAL GRASSES AND BROADLEAF WEEDS IN ESTABLISHED LAWNS & ORNAMENTAL TURF

ACTIVE INGREDIENT:  
 Dithiopyr, 3-(5-pyridinyl)dicarbolic acid, 2-difluoromethyl-4-(2-methoxypropyl)-5-(trifluoromethyl)-S,S-dimethyl ester  
 0.107%  
 INERT INGREDIENTS: ..... 99.893%  
 TOTAL ..... 100.000%

EPA Reg. No. 32902-7  
 EPA Est. No. 18960-A-1 (A), 13909-A0-1 (B), 37351-CO-1 (C), 8374-NS-1 (D), 30447E-1 (E)

First letter of bag code shows establishment where manufactured.

Read the entire "Directions for Use" and "Warning Statement" before using this product. If some are not applicable, return the unopened product container at once to the dealer.

## KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes eye irritation. Harmful if inhaled. Avoid contact with eyes and 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 may cause allergic reaction in some individuals.

**ENVIRONMENTAL HAZARDS:** This pesticide 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 or runoff 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.

First Aid
<p><b>If in eyes:</b></p> <ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 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> <p><b>If inhaled:</b></p> <ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 for an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul> <p><b>If on skin or clothing:</b></p> <ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul> <p><b>If swallowed:</b></p> <ul style="list-style-type: none"> <li>Call a poison control center or physician immediately for 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 physician.</li> <li>Do not give anything by mouth to an unconscious person.</li> <li>Get medical attention.</li> </ul> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this product, or for information on the manufacturer's name, address, or pesticide incident, call the National Pesticide Telecommunications Network at 1-800-852-7378.</p>

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in original container in a locked storage area out of reach of children and domestic animals. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or 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.

Manufactured for:  
 Pioneer Johnson's Enterprises, Inc., 9675 S 60th Street, Franklin, WI 53132  
 Call for more information on this product.  
 A Division of GROENING'S ELEVATION AND HARDWARE, L.C.  
 Phone: 1-800-882-3142

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.epa.gov/officeofpublichealth/>.

# STEP 1

## 20-00-08

GUARANTEED ANALYSIS  
 Total Nitrogen (N) .....20.00%  
 20.00% Urea Nitrogen\*  
 Soluble Potash (K<sub>2</sub>O) .....8.00%

Derived From: Muriate of Potash, Polymer Coated-Sulfur Coated Urea, Urea.

\*8.00% Slowly Available Nitrogen From Poly Coated-Sulfur Urea Chlorine (Cl), not more than 6.00%

F315 FGB60581  
**COVERS 6,000 sq. ft.**  
**Net Weight 24 lbs (10.88 kg)**

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. In the State of New York: For use by professional turf applications only, at no more than 10.74 lbs per 1000 square feet per year (0.5 pounds AI per acre per year). Not for use in Massachusetts or Suffolk County, Massachusetts. For use in the rest of Massachusetts, it is to be used only in accordance with the label. Do not use for commercial seed production, or for research purposes.

**PRODUCT INFORMATION:** This product contains turf fertilizer plus a selective herbicide for control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turf. Apply this product only to seeded, sodded, or sprigged turf that is well established. Turf must develop a good root system and uniform stand, and have received at least two mowings following seeding, sodding or sprigging before making the first application of this product. Use of this product on turf that is not well established, or weakened by weather pests or other stress, may increase the chance of crabgrass emergence. In addition, this product provides "early post-emergence control" during the early stages of growth after crabgrass emerges from the ground. This early post-emergence crabgrass control is limited, and post-emergence applications are only effective if applied before crabgrass has displayed its fifth leaf or first tier (which generally corresponds to lines) when you can first see the crabgrass plants in the lawn). The benefit of this post-emergence activity is that it gives the user a 2 to 4 week longer period of time to make applications for effective control of crabgrass.

**Use of this product:** This product is a pre-emergence herbicide. It does not kill crabgrass (Agrostis sp.) until it has formed its second leaf. Crabgrass (Agrostis sp.) is the most common species. Fine Fescue\*\* (Festuca rubra), Tall Fescue (Festuca arundinacea), Perennial Ryegrass (Lolium perenne), Bahiagrass (Paspalum notatum), Bermudagrass (Cynodon dactylon), Buffalograss\*\* (Bouteloua inoplena), Carpetgrass (Axonopus compressus), Centipedegrass (Eriochloa fasciculata), Kikuyugrass (Pennisetum clandestinum), St. Augustinegrass (Stenotaphrum secundatum), Zoysiagrass (Zoysia japonica).

\*\*Turfgrass injury may result from use of this product on certain varieties of creeping bentgrass, such as Colonial, Carmen, Seaside and Washington. Not all varieties of creeping bentgrass have this sensitivity. Do not apply this product to Colonial Bentgrass (Agrostis sp.) or to other varieties of creeping bentgrass. Do not apply to other varieties of grasses such as Bahia, Bimini, Majesty, Mascara, Pennington, and Vantage. Do not apply to other varieties of grasses such as Colonial, Carmen, Seaside and Washington. Not all varieties of fescue have been tested.

**Application:** Apply this product to the lawn in the spring of the first year of establishment until the turfgrass is fully green and has established new roots. Do not use this product on seedling Buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

**APPLICATION RATES:** For Crabgrass Control

REGION	PROGRAM 1	PROGRAM 2
	PREEMERGENCE USE (high cut turfgrass)	PREEMERGENCE USE (low cut turfgrass)

North	2.68 lbs / 1000 sq ft (117 lbs AI / acre)	5.37 lbs / 1000 sq ft (234 lbs AI / acre)
	3.93 lbs / 1000 sq ft (171 lbs AI / acre)	7.85 lbs / 1000 sq ft (342 lbs AI / acre)
Transition	3.93 lbs / 1000 sq ft (171 lbs AI / acre)	5.37 lbs / 1000 sq ft (234 lbs AI / acre)
South	5.37 lbs / 1000 sq ft (234 lbs AI / acre)	10.74 lbs / 1000 sq ft (468 lbs AI / acre)
Coastal South	7.85 lbs / 1000 sq ft (342 lbs AI / acre)	10.74 lbs / 1000 sq ft (468 lbs AI / acre)
	0.25 lbs AI / acre	0.50 lbs AI / acre
	0.25 lbs AI / acre	0.50 lbs AI / acre

North, All other areas.  
 Transition: DE, HI, MD, NJ, NY, VA, southeastern PA, southern areas of IL, IN, OH, and West Virginia.  
 South: AL, AR, AZ, CA, GA, IA, KS, MI, MN, MO, NY, NC, NM, ND, OK, SC, TN, and TX.  
 Coastal South: HI, FL, southern coastal areas of AL, GA, LA, MS, NC, SC, TX.  
 \*May require split or supplemental applications for full control.

Cultural practices such as aeration and dethatching should be completed, and the turf allowed to recover before application of this product. Do not use clippings from treated turf for mulching around vegetables or fruit trees. Do not use on golf course putting greens. People and pets of treated areas until dust has settled. Do not use on golf course putting greens. Application, irrigation or rainfall within 7 days after application may improve weed control. Use of split (full rate) applications spaced 6-8 weeks apart may be beneficial. For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. Irrigation or rainfall within 7 days after application may improve weed control. Use of split (full rate) applications spaced 6-8 weeks apart may be beneficial. For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. Irrigation or rainfall within 7 days after application may improve weed control. Use of split (full rate) applications spaced 6-8 weeks apart may be beneficial. For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.

**RESEEDING/ Overseeding or Sprigging:** Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.

**CONTROL OF OTHER GRASSES AND BROADLEAF WEEDS:** This product will also control or suppress the following weeds when applied prior to their emergence: Bluegrass (annual, roughstalk), Bittercress, Chickweed, Geranium (Carolina), Henbit, Parsley-piert, Phacelipetrad, Shepherd's purse.

Spreader setting to apply at the listed rate (lbs per 1000 sq ft)	Cone setting	
	2.68 lbs / 1000 sq ft	5.37 lbs / 1000 sq ft
Accu-Pro 2000	6	12
Accu-Pro 500	11/2	11/2
Accu-Pro 1000	11/2	11/2
Livaco 021820	D 1/2	F 1/2
Snyder 75-22	4.5	4.7
PSS Bigfoot	A 3	4/2
Victor 203	B 5	17
	15	19
	25	31

The directions for use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of pesticides. One injury or death to humans or animals could result from such use. Therefore, the manufacturer, the buyer, the user, and the applicator should be advised to read the entire label carefully before using the product and to use only the product as directed on the label. The manufacturer and the seller warrant that the product is as labeled and that the label is true and correct. However, the manufacturer, the buyer, the user, and the applicator warrant that the product is used in accordance with the label and that the user is not liable for any damage to humans or animals resulting from the use of this product.

The manufacturer, the buyer, the user, and the applicator warrant that the product is used in accordance with the label and that the user is not liable for any damage to humans or animals resulting from the use of this product. The manufacturer, the buyer, the user, and the applicator warrant that the product is used in accordance with the label and that the user is not liable for any damage to humans or animals resulting from the use of this product.

## NOTIFICATION

NOV 30 2012

Dithiopyr 0.107 Professional PP (06-15-2010A)

4/9



Howard Johnson's

# PREVENTS CRABGRASS PLUS with 0.107% DIMENSION®

SELECTIVE HERBICIDE PLUS FERTILIZER FOR PREEMERGENCE CONTROL OF LISTED ANNUAL GRASSES AND BROADLEAF WEEDS IN ESTABLISHED LAWNS & ORNAMENTAL TURF

**ACTIVE INGREDIENT:**  
Dithiopyr, 3,5-pyridinedicarboxylic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-5-(trifluoromethyl)-S-dimethyl ester, 0.107%  
**INERT INGREDIENTS:** 99.893%  
**TOTAL:** 100.000%

EPA Reg. No. 32802.71  
EPA Est. No. 39144-G3-(A), 32802-MO-1(B)  
EPA Est. No. 37351-CO-(C), 8378-IN-1 (D), 9404-FL-1 (E)

First letter of bag code shows establishment where manufactured. See bag attached to bag for further guaranteed analysis. DIMENSION® is a trademark of Dow AgroSciences.

Read the entire "Directions for Use" and "Warranty Statement" before using this product. If terms are not acceptable, return the unopened product container at once to the seller.

## KEEP OUT OF REACH OF CHILDREN

### 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 may cause allergic reaction in some individuals.  
**ENVIRONMENTAL HAZARDS:** This pesticide 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 or runoff 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 line. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

	First Aid
If in eyes	• Hold eye open and rinse slowly and gently with water for at least 15 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	• Remove contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or physician immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or physician. • Do not throw up or vomit unless told to do so by the poison control center or physician. • First line number: _____

Have the product container with you when calling a poison control center or doctor, or going to a hospital. For information on this pesticide product (including health concerns, medical emergencies, pesticide use information, and other information), call the National Pesticide Information Center at 1-800-858-7378.

## GUARANTEED ANALYSIS

REGION	PROGRAM 1 PREEMERGENCE USE (high cut turfgrass)	PROGRAM 2 PREEMERGENCE USE (low cut turfgrass)	POST-EMERGENCE USE
North	2.80 lbs / 1000 sq ft 0.125 lbs AI / acre	5.37 lbs / 1000 sq ft 0.25 lbs AI / acre	5.37 lbs / 1000 sq ft 0.25 lbs AI / acre
Transition	3.93 lbs / 1000 sq ft 0.153 lbs AI / acre	7.45 lbs / 1000 sq ft 0.365 lbs AI / acre	7.45 lbs / 1000 sq ft 0.365 lbs AI / acre
South	5.37 lbs / 1000 sq ft 0.224 lbs AI / acre	10.74 lbs / 1000 sq ft 0.49 lbs AI / acre	10.74 lbs / 1000 sq ft 0.49 lbs AI / acre
Coastal South	7.45 lbs / 1000 sq ft 0.305 lbs AI / acre	10.74 lbs / 1000 sq ft 0.50 lbs AI / acre	10.74 lbs / 1000 sq ft 0.50 lbs AI / acre

Net Weight 50 lbs (22.70 kg)

## NOTIFICATION

NOV 30 2012

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. In the State of New York: For use by professional turf applicators only, at no more than 10.74 lbs per 1000 square feet per year (0.5 pounds AI per acre per year). Not for use in Nassau or Suffolk Counties.

**PRODUCT INFORMATION:** This product contains turf fertilizer plus a selective herbicide for control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turf. Apply this product only to seedbed, sodded, or spigged turf that is well established. Turf must develop a good root system and uniform stand, and have received at least two mowings following seeding, sodding or spigging before making the first application of this product. Use of this product on turf that is not well established, or weakened by weather, pests or other stress, may increase the chance of turf injury.

This product provides pre-emergence control of crabgrass (large, smooth, and southern species) when applied prior to emergence of crabgrass from the ground. It also provides post-emergence control of crabgrass (large, smooth, and southern species) when applied after emergence of crabgrass from the ground. Post-emergence crabgrass control is limited, and post-emergence applications are only effective if applied before crabgrass has developed its fifth leaf or first true leaf (which generally corresponds to time when you can first see the crabgrass plants in the lawn). The benefit of this post-emergence activity is that it gives the user a 2 to 4 week longer period of time to make applications for effective control of crabgrass.

WHERE TO USE: This product may be used on the following established turfgrasses: Creeping Bentgrass\* (Agrostis palustris), Kentucky Bluegrass (Poa pratensis), Fine Fescue (Festuca tenuis), Tall Fescue (Festuca arvensis), Ryegrass (Lolium perenne), Bahiagrass (Paspalum notatum), Zoysia (Zoysia tenuifolia), St. Augustine (St. Augustine grass), Centipede (Centipede grass), Carpetgrass (Panicum polyanthemum), and St. Augustine (St. Augustine grass). \*Do not use this product on seedling Buffalo grass in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

**SPRING APPLICATIONS:** For single applications in the spring or early fall, use the appropriate rate from the "Application Rates" table (depending on user's location, mowing height, pre- or post-emergent use). The duration of residual weed control is directly related to the total rate of application. For multiple applications, use the appropriate rate on areas where turf is cut high (home lawns) for 3 to 5 months of crabgrass control. This program should not be used for post-emergence crabgrass control. Use "Program 2" for pre-emergence control where turf is cut low (golf courses, athletic fields, etc.). The program should not be used for post-emergence control where turf is cut low (golf courses, athletic fields, etc.). The program should not be used for post-emergence control where turf is cut low (golf courses, athletic fields, etc.).

**FALL APPLICATIONS:** Do not apply more than 10.74 pounds per 1000 square feet (0.5 pounds AI per acre) per application. Do not apply more than 32.2 pounds per 1000 square feet (1.5 pounds AI per acre) per year. (In New York, do not apply more than 10.74 lbs per 1000 square feet.)

**USE PRECAUTIONS:** Do not apply more than 10.74 pounds per 1000 square feet (0.5 pounds AI per acre) per application. Do not apply more than 32.2 pounds per 1000 square feet (1.5 pounds AI per acre) per year. (In New York, do not apply more than 10.74 lbs per 1000 square feet.)

**RESEEDING, OVERSEEDING, OR SPRIGGING:** Reseeding, overseeding, or spigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. When seeding, overseeding, or spigging of treated areas such as soil cultivation, irrigation and fertilization. For best results, use "sill seeders" for good seed-to-soil contact.

**CONTROL OF OTHER GRASS AND BROADLEAF WEEDS:** This product is not intended for control of other grass and broadleaf weeds. For control of other grass and broadleaf weeds, use a separate herbicide product. Bluegrass (annual couchgrass), Cowgrass, Foxtail (yellow & green), Goosegrass, Knapgrass, Leopardgrass (common), Oat (winter), Ryegrass (annual & perennial), St. Augustine, Spurge (prostrate and spotted).

**Foxtail:** Also controlled at the program 2 rates.  
**FALL APPLICATIONS:** Used as directed in late summer or early fall, for crabgrass control through the early part of the next spring, this product will also control or suppress the following weeds when applied prior to their emergence: Bluegrass (annual, roughstalk), Bittercress, Chickweed, Ceratium (Ceratium), Hemlock (sheep), Phlox, Shepherd's purse.

**SPREADER SETTING TO APPLY AT THE LISTED RATE (lbs per 1000 sq ft):**  
Spreader  
Rate  
L 1/2 M 1/2 F 1/2 R 1/2  
6 6 6 6  
0.25 Closed 0.25 Closed 0.25 Closed 0.25 Closed  
Spayer 76-22 5.3 4.5 4.7 5.3  
5.3 4.5 4.7 5.3  
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**Directions for use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of pesticides. The manufacturer, Howard Johnson's Enterprises, Inc., and the retailer, assume no liability for any damage or injury to persons, animals, or property, or for any loss of crops, or for any other damage or injury, resulting from the use of this product, except as specifically stated on the label. The manufacturer, Howard Johnson's Enterprises, Inc., and the retailer, assume no liability for any damage or injury to persons, animals, or property, or for any loss of crops, or for any other damage or injury, resulting from the use of this product, except as specifically stated on the label. The manufacturer, Howard Johnson's Enterprises, Inc., and the retailer, assume no liability for any damage or injury to persons, animals, or property, or for any loss of crops, or for any other damage or injury, resulting from the use of this product, except as specifically stated on the label.**

**Information regarding the contents of this product is available on the Internet at <http://www.hjag.com>.**

**Manufactured for:** Howard Johnson's Enterprises, Inc., 5332  
8975 S Eighth Street, Franklin, WI 53122





# PREVENTS CRABGRASS PLUS with 0.107% DIMENSION®

SELECTIVE HERBICIDE PLUS FERTILIZER FOR PREAMERGENCE CONTROL OF LISTED ANNUAL GRASSES AND BROADLEAF WEEDS IN ESTABLISHED LAWNS & ORNAMENTAL TURF

**ACTIVE INGREDIENTS:**  
 Dithiopyr, 3,5-pyridinedicarboxylic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester ..... 0.107%  
 INERT INGREDIENTS ..... 99.893%  
**TOTAL** ..... 100.000%

EPA Reg. No. 32802-71  
 EPA Est. No. 591144-GA-1(A), 32802-MO-1(B),  
 37351-CO-1(C), 8378-IN-1 (D), 9404-FL-1 (E)

First letter of bag code shows establishment where manufactured.

See bag attached to bag for fertilizer guaranteed analysis. DIMENSION® is a trademark of Dow AgroSciences.  
 Read the entire "Directions for Uses" and "Warranty Statement" before using this product. If terms are not acceptable, return the unopened product container at once to the seller.

## KEEP OUT OF REACH OF CHILDREN PRECAUTION 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 may cause allergic reaction in some individuals.  
**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and highly toxic to other aquatic organisms including oysters and mollusks. Do not apply directly to water or to wet surfaces where surface water is present. Do not apply to areas where runoff may lead to fish and other aquatic life mortality, including adjacent water bodies. Do not apply to 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.

<b>If in eyes</b>	• Hold eye open. Rinse thoroughly 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.
<b>If inhaled</b>	• Move persons to fresh air. • If person is not breathing, call 911 or an ambulance, then begin artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
<b>If on skin or clothing</b>	• Take off contaminated clothing immediately. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
<b>If swallowed</b>	• Call a poison control center or physician immediately for treatment advice. • Do not induce vomiting unless advised to do so by the poison control center or physician. • Do not give anything by mouth to an unconscious person.

Have the product container, label and material safety data sheet available for reference by a poison control center or doctor or other health care professional, in case of emergency or overdose. For information on this pesticide product (including health concerns, medical emergencies, or environmental concerns), call the National Pesticide Information Center at 1-800-852-7378.

**STORAGE AND DISPOSAL**  
 Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store in original container in a locked storage area out of reach of children and domestic animals.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or 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.

Information regarding the contents of this label is available on the Internet at <http://www.epa.gov/pesticides>.  
 Manufactured for: **Howarth Johnson Enterprises, Inc.**  
 9575 S 9th Street, Franklin, WI 53132

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. In the State of New York: For use by professional turf applicators only, at no more than 10.74 lbs per 1000 square feet per year (0.5 pounds AI per acre per year).

Not for use on turf being grown for sale or other commercial use as seed, or for commercial seed production, or for research purposes.  
**PRODUCT INFORMATION:** This product contains turf fertilizer plus a selective herbicide for control of crabgrass and other annual grasses and broadleaf weeds in system and uniform stand, and have received at least two mowings following seeding, sodding or springing before making the first application of this product. The use of this product on turf that is not well established, or weakened by weather, pests or other stress, may increase the chance of turf injury. This product is not a pre-emergent crabgrass control. It is a post-emergent crabgrass control. It is not a pre-emergent crabgrass control. In addition, this product provides early post-emergent control during the early stages of growth after crabgrass emerges from the ground. This early post-emergence crabgrass control is limited, and post-emergence applications are only effective if applied before crabgrass has displayed its first leaf or first larva (which generally corresponds to time when you can first see the crabgrass plants in the lawn). The benefit of this post-emergence activity is that it gives the user a 2 to 4 week longer period of time to make applications for effective control of crabgrass.

Do not use this product on any turf that is established using the following grasses: Kentucky Bluegrass, (Poa annua), Perennial Ryegrass, (Lolium perenne), Bahiagrass, (Paspalum notatum), Bermudagrass (Cynodon dactylon), Buffalograss, (Bouteloua curtipendula), Centipedegrass (Eriochloa ophiuroides), Kikuyagrass (Pennisetum clandestinum), St. Augustinegrass (Stenotaphrum secundatum), Zoysiagrass (Zoysia japonica), Turfgrass injury may result from use of this product on certain varieties of creeping bentgrasses, such as Coburns, Carmen, Salsate and Washington. Not all varieties of creeping bentgrass have been tested. Do not apply this product to Coastal Bermudagrass (Pennisetum ciliolatum) varieties: Empire, HF-53, Highlight, Halo, Koltai, Jamstown, Majada, Major, Penlawton, Tanna, Wallart and Walden. Not all varieties of fescue have been tested.

\* Do not use this product on seedling Buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

REGION	APPLICATION RATES for Crabgrass Control	
	PROGRAM 1 PREEMERGENCE USE (high cut turfgrasses)	PROGRAM 2 PREEMERGENCE USE (low cut turfgrasses) POSTEMERGENCE USE
North	2.68 lbs / 1000 sq ft (117 lbs / acre) 0.125 lbs AI / acre	5.37 lbs / 1000 sq ft (234 lbs / acre) 0.25 lbs AI / acre
Transition	3.93 lbs / 1000 sq ft (171 lbs / acre) 0.183 lbs AI / acre	7.85 lbs / 1000 sq ft (342 lbs / acre) 0.368 lbs AI / acre
South	5.37 lbs / 1000 sq ft (234 lbs / acre) 0.25 lbs AI / acre	10.74 lbs / 1000 sq ft (468 lbs / acre) 0.50 lbs AI / acre
Coastal South	7.85 lbs / 1000 sq ft (342 lbs / acre) 0.368 lbs AI / acre	10.74 lbs / 1000 sq ft (468 lbs / acre) 0.50 lbs AI / acre

North: All other areas: AL, DE, FL, GA, LA, MS, NC, NM, NV, OK, SC, TN and TX. Coastal areas: AL, GA, LA, MS, NC, NM, NV, OK, SC, TN and TX. South: AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN and TX. Coastal South: HI, FL, southern coastal areas of AL, GA, LA, MS, NC, SC, TX.  
 \* May require split or sequential applications for full control.

Cultural practices such as aeration and de-thatching should be completed, and the turf allowed to recover before application of this product. Do not use on areas where turf is being established or on areas where turf is being maintained. Do not use on golf course putting greens. Do not use on areas used for grazing animals or for other purposes. Do not use on areas where turf is being established or on areas where turf is being maintained. Do not use on areas where turf is being established or on areas where turf is being maintained. Do not use on areas where turf is being established or on areas where turf is being maintained.

**RESEEDING, OVERSEEDING, OR SPRIGGING:** Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. When seeding, follow good cultural practices such as soil cultivation, irrigation and fertilization. For best results, use "fill seeders" for good seed-to-soil contact.

**SPRING APPLICATORS:** Used as directed for crabgrass control in spring, this product will also control or suppress the following weeds when applied prior to their emergence: Barnyardgrass, Bluegrass (annual, roughstalk), Cowhage, Foxtail (yellow & green), Goosegrass, Kikuyagrass, Leptodezsa (common), Oat (runnerup, creeping & yellow woodsore), Purslane (annual & perennial), Ryegrass (annual & perennial), Smutgrass, Speedwell (corn), Spurge (prostrate and spittle).

\* Fostal is also controlled at the program 2 rates.  
**FALL APPLICATIONS:** Used as directed in late summer or early fall, for crabgrass control through the early part of the next spring, this product will also control: Annual ryegrass, Bluegrass (annual, roughstalk), Bittercress, Chickweed, Geranium (Carolina), Henbit, Parsley-piert, Puncturewort, Shepherd's purse.

Spreeder setting to apply at the listed rate (lbs per 1000 sq ft)		5.37 lbs		7.85 lbs		10.74 lbs	
Core setting	L 1/2	M 1/2	N 1/2	O 1/2	P 1/2	Q 1/2	R 1/2
Machine	6	6	6	6	6	6	6
Rate	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Less	D 1/2	E 1/2	F 1/2	G 1/2	H 1/2	I 1/2	J 1/2
Less	A 5	B 5	C 5	D 5	E 5	F 5	G 5
Less	H 8	I 8	J 8	K 8	L 8	M 8	N 8
Less	15	15	15	15	15	15	15

The directions for use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of pesticides. Persons should take precautions to protect themselves and others from exposure to pesticides. Persons should not apply this product to areas where it is prohibited by law. It is the user's responsibility to protect themselves and others from exposure to pesticides. Persons should not apply this product to areas where it is prohibited by law. It is the user's responsibility to protect themselves and others from exposure to pesticides. Persons should not apply this product to areas where it is prohibited by law. It is the user's responsibility to protect themselves and others from exposure to pesticides.



INCORPORATED

PREVENTS CRABGRASS PLUS with 0.107% DITHIOPYR

SELECTIVE HERBICIDE PLUS FERTILIZER FOR PREEMERGENCE CONTROL OF LISTED ANNUAL GRASSES AND BROADLEAF WEEDS IN ESTABLISHED LAWNS & ORNAMENTAL TURF CONTAINS A COMPLETE LAWN FOOD

ACTIVE INGREDIENT: Dithiopyr: 3,5-pyridinedicarboic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S-... dimethyl ester... 0.107% INERT INGREDIENTS... 99.893% TOTAL... 100.000%

EPA Reg. No. 32802-71 EPA Est. No. 59144-GA-1 (A), 32802-MO-1 (B), 37351-CO-1 (C), 8378-IN-1 (D), 9404-FL-1 (E) First letter of bag code shows establishment number. See bag attached to bag for fertilizer guaranteed analysis.

Read the entire "Directions for Use" and "Warranty Statement" before using this product. If terms are not acceptable, return the unopened product container at once to the seller.

KEEP OUT OF REACH OF CHILDREN CAUTION 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 before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. ENVIRONMENTAL HAZARDS: This pesticide 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 or runoff 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.

First Aid table with columns for In eyes, Inhaled, On skin, and If weak/breathed. Includes instructions like 'Hold eye open and rinse slowly and gently with water for 15-20 minutes'.

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aspico.org/medsafety.htm Manufactured by: Howard Johnson's Enterprises, Inc. 8975 S 60th Street, Franklin, WI 53132 Dithiopyr 0.107 Prof Prof (05-15-2010A)

19-0-5 STEP 1

Treats up to 10,000 Sq. Ft.

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling. In the State of New York, For use by professional turf applicators only, at no more than 10.74 lbs per 1000 square feet per year (0.5 pounds AI per acre per year) for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

PREEMERGENCE USE: This product contains turf fertilizer plus a selective herbicide for control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turf. It must be applied to the lawn or turf at the time of establishment. Do not apply to areas where a good root system and uniform stand have been established. Do not apply to areas where a good root system and uniform stand have been established. Do not apply to areas where a good root system and uniform stand have been established.

Table with columns: REGION, PROGRAM 1 (high cut grasses), PROGRAM 2 (low cut turfgrasses), and POST-EMERGENCE USE. Rows include North, Transition, South, and Coastal South.

WHERE TO USE: This product may be used on the following established turfgrasses: Creeping Bentgrass (Festuca arvensis), Fescue (Festuca sp.), Kentucky Bluegrass (Poa trivialis), Perennial Ryegrass (Lolium perenne), Annual Ryegrass (Lolium multiflorum), Smooth Stalked Paspalum (Paspalum distachne), Tall Fescue (Festuca arvensis), Bermudagrass (Cynodon dactylon), Zoysiagrass (Zoysia japonica), Carpetgrass (Axonopus compressus), Centipedegrass (Eriogonum fasciculatum), Bahiagrass (Paspalum notatum), St. Augustinegrass (Stenotaphrum secundatum), and Zoysiagrass (Zoysia japonica).

SPRING APPLICATIONS: For single applications in the spring of the first year of establishment until the turfgrass is fully green and has established new roots. Application rates (lbs per 1000 sq ft) are based on the amount of product applied per acre.

FALL APPLICATIONS: Used as directed in late summer or early fall for crabgrass control through the early part of the following season. Do not apply to areas where a good root system and uniform stand have been established.

USE PRECAUTIONS: Do not apply more than 10.74 pounds AI per acre per year. Do not apply more than 10.74 pounds AI per acre per year. Do not apply more than 10.74 pounds AI per acre per year. Do not apply more than 10.74 pounds AI per acre per year.

Table with columns: Application Rate (lb per 1000 sq ft) and Application Rate (lb per acre). Rows include Sprinkler, Azox-Pro 2000, SR2000, Super 75-20, PSB Bigfoot, Lay-HR, and Fidan 303.

Warranty: The user of this product is responsible for its safe use. It is impossible to eliminate all risks inherently associated with the use of this product. The manufacturer of this product is not liable for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such litigation.

NOTIFICATION

NOV 30 2012

Vertical barcode-like notification text.



**NOTIFICATION**

NOV 30 2012



INCORPORATED

**PREVENTS CRABGRASS PLUS**  
with 0.107% DIMENSION®

**SELECTIVE HERBICIDE PLUS FERTILIZER FOR PREEMERGENCE CONTROL OF LISTED ANNUAL GRASSES AND BROADLEAF WEEDS IN ESTABLISHED LAWNS & ORNAMENTAL TURF CONTAINS A COMPLETE LAWN FOOD**

**ACTIVE INGREDIENT:**  
Dithiopyr: 3,5-dithiopyridin-2-ylidene dimethyl ester ..... 0.107%  
INERT INGREDIENTS: ..... 99.893%  
TOTAL: ..... 100.000%

EPA Reg. No. 32180-21  
EPA Est. No. 59155-GA-1(A), 32802-MO-1(B), 37351-CO-1 (C), 8378-IN-1(D), 9404-FL-1(E)

First letter of bag code shows establishment where manufactured.  
See bag attached to bag for fertilizer guaranteed analysis. DIMENSION® is a trademark of Dow AgroSciences

Read the entire "Directions for Use" and "Warranty Statement" before using this product. If terms are not acceptable, return the unopened product container at once to the seller.

**GUARANTEED ANALYSIS**

Total Nitrogen(N) .....	19.00%
19.00% Urea Nitrogen .....	19.00%
Soluble Potash (K <sub>2</sub> O) .....	5.00%
Derived From: Muriate of Potash, Urea, Chlorine (Cl), not more than 6.00%	
FGB55446	F-315
10-10	
<b>Net Weight 40 lbs (18.20 kg)</b>	

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in sensitive individuals. **ENVIRONMENTAL HAZARDS:** This pesticide 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 or runoff 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 incidental 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.

<b>If in eyes</b>	• Hold eye open and flush slowly and gently with water for 15-20 minutes. • Seek medical attention immediately. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison center or doctor for treatment advice.
<b>If inhaled</b>	• Move to fresh air. • If breathing is difficult, call 911 or a physician. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison center or doctor for further treatment advice.
<b>If on skin or clothing</b>	• Take off contaminated clothing. • Wash skin immediately with plenty of water for 15-20 minutes. • Call a poison center or doctor for treatment advice.
<b>If swallowed</b>	• Call a poison center or physician immediately for advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or physician. • Do not use emetics. • Do not give anything by mouth to unconscious person. • List name and address of nearest hospital. • Give this information to the hospital.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in original container in a locked storage area out of reach of children and domestic animals. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Nonrefillable container: Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or 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.

Manufactured by: Howard Johnson's Enterprises, Inc. 3675 S 60th Street, Franklin, WI 53133. Information regarding the contents and levels of metals in this product is available on the internet at <http://www.lafco.org/metal.htm>

**19-0-5 STEP 1**

Treats up to 10,000 Sq. Ft.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Use only on turf applications only, at no more than 10.74 lbs per 1000 square feet per year (0.5 pounds AI per acre per year). Not for use on Nassau or Suffolk Counties.

Do not use on turf being grown for sale or other commercial use, or for research purposes. Do not use on turf that has been treated with any other herbicide or broadleaf weed killer in established lawns and ornamental turf. Apply this product only to seedbed, sodded, or sprigged turf that is well established. Turf must develop a good root system and uniform stand, and have received at least two mowings following seeding or sprigging before making the first application of this product. Do not use on turf that is being prepared for sale or other commercial use. Do not use on turf that is being prepared for sale or other commercial use. This product provides pre-emergence control of crabgrass (large, smooth, and stream species) when applied prior to the establishment of turfgrass from the ground. In addition, this product provides "early post-emergence" control during the early stages of growth after crabgrass emerges from the ground. This early post-emergence control is most effective when crabgrass is less than 1 inch tall. Post-emergence applications are only effective if applied before crabgrass has displayed its fifth leaf or first leaf which emerges from the ground. Do not use on turf that is being prepared for sale or other commercial use. The benefit of this post-emergence activity is that it gives the user a 2 to 4 week longer period of time to make applications for effective control of crabgrass.

REGION	APPLICATION RATES FOR Crabgrass Control	
	PROGRAM 1 PREEMERGENCE USE (high cut turfgrass)	PROGRAM 2 PREEMERGENCE USE (low cut turfgrass)
North	2.68 lbs / 1000 sq ft (117 lbs / acre) 0.125 lbs AI / acre	5.37 lbs / 1000 sq ft (234 lbs / acre) 0.25 lbs AI / acre
Transition	3.93 lbs / 1000 sq ft (171 lbs / acre) 0.182 lbs AI / acre	7.85 lbs / 1000 sq ft (342 lbs / acre) 0.366 lbs AI / acre
South	5.37 lbs / 1000 sq ft (234 lbs / acre) 0.25 lbs AI / acre	10.74 lbs / 1000 sq ft (468 lbs / acre) 0.50 lbs AI / acre
Coastal South	7.85 lbs / 1000 sq ft (342 lbs / acre) 0.366 lbs AI / acre	10.74 lbs / 1000 sq ft (468 lbs / acre) 0.50 lbs AI / acre

North: All other areas. MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, and coastal areas of CT, NY, and RI.  
South: AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, and TX.  
Coastal South: HI, FL, southern coastal areas of AL, GA, LA, MS, NC, SC, TX.  
Prefer to use split or sequential applications for full control.

May require split or sequential applications for full control.

Prefer to use split or sequential applications for full control.

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