

PM 23

32802-68

E. Wilson Diskette 41ABC:09-19-98

Mr. Thomas J. Schmit
Howard Johnson's Enterprises, Inc.
700 W. Virginia Street, #222
Milwaukee, WI 53204-1548

AUG 19 1998

Dear Mr. Schmit:

Subject: Dimension[™] 0.086 Plus
EPA Registration No. 32802-68
Application and Your Letter Dated June 30, 1998:
Request To Revise Confidential Statement of
Formula (CSF) and To Revise Labeling; and Your
Letter Dated August 7, 1998 (Submission of "Inform-
ation on Manufacturing Process")

The proposed Confidential Statement of Formula (CSF) submitted on EPA Form 8570-4 and signed June 23, 1998 has been reviewed and found acceptable as an amendment to the registration of the subject pesticide product under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended. The new CSF has been filed in this Agency's record for this pesticide product registration.

The proposed revised labeling submitted with your application has also been reviewed and found to be acceptable as an amendment to the registration of the subject pesticide product under FIFRA, provided that you:

1. Revise the "Optional wording for compliance with Kentucky fertilizer registration" which reads: "when soil testingmake additional applications of fertilizer products over the growing season." to read: "when soil testing make applications of appropriate fertilizer products over the growing season. Do not exceed the annual rate of 1.5 lbs active ingredient of this pesticide product".
2. Submit one (1) copy of the final printed labeling before releasing the product for shipment under the subject labeling.

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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

CONCURRENCES

SYMBOL					Joanne I. Miller	
SURNAME					Product Manager (23)	
DATE					Herbicide Branch	
	Enclosure				Registration Division (7505C)	

DIMENSION® 0.086 PLUS

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

ACTIVE INGREDIENT:

Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester 0.086%

INERT INGREDIENTS: 99.914%

TOTAL: 100.000%

EPA Reg. No. 32802-68

EPA Est. No. 32802-WI-1 (A), 32802-MO-1 (B)

First letter of bag code shows establishment where manufactured.

See tag attached to bag for fertilizer guaranteed analysis.

Manufactured by:

HOWARD JOHNSON'S ENTERPRISES, INC.

700 W. Virginia Street, Milwaukee, WI 53204-1548

DIMENSION® is a trademark of Rohm and Haas Co.

KEEP OUT OF REACH OF CHILDREN

CAUTION: See (back, side, other) panel for further cautions, first aid information and directions for use.

NET WEIGHT:

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.

FIRST AID

IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

IF INHALED: Remove person to fresh air. Seek medical attention if breathing difficulty develops.

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.

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 13.3 lbs per 1000 square feet per year (0.5 pounds AI per acre per year). Not for use in Nassau or Suffolk Counties.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

GENERAL 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 turfs. 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 turf injury.

(Label for EPA Reg. No 32802-68, PAGE 1 OF 2)

This product provides pre-emergence control of crabgrass (large, smooth, and southern species) when applied prior to emergence of crabgrass 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 crabgrass control is limited, and post-emergence applications are only effective if applied before crabgrass has displayed its fifth leaf or first tiller (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 rubra*), Tall Fescue (*Festuca arundinacea*), Perennial Ryegrass (*Lolium perenne*), Bahiagrass (*Paspalum notatum*), Bermudagrass (*Cynodon dactylon*), Buffalograss*** (*Buchloe dactyloides*), Carpetgrass (*Axonopus compressus*), Centipedegrass (*Eremochloa ophiuroides*), 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 Cohansey, Carmen, Seaside and Washington. Not all varieties of creeping bentgrass have been tested. Do not apply this product to Colonial Bentgrass (*Agrostis tenuis*) varieties.

**Turfgrass injury may result from use of this product on the following Fescue varieties which are sensitive to this product: Atlanta, Banner, Beauty, Biggart, CF-2, Enjoy, HF-93, Highlight, Ivalo, Koket, Jamestown, Majenta, Mary, Pennlawn, Tamarz, Tatjana, Walfort and Waldina. 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.

SPRING APPLICATIONS: For single applications in the spring or early summer, use the appropriate rate from "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 applied, but varies depending on weather, weed pressure and location. Use "Program 1" for preemergence control on areas where turf is cut high (home lawns) for 3 to 5 months of crabgrass control. This program should not be used for postemergence crabgrass control.

Use "Program 2" for preemergence control where turf is cut low (golf course fairways) or where weed control was not conducted the previous year. This program provides 4 to 6 months of preemergence weed control, and also for early postemergence control of crabgrass.

This product may be applied as a single application or as a split application for crabgrass control in the spring, summer or fall.

FALL APPLICATION: This product can also be applied in late summer or early fall (late August through November) at the "Program 2" rates for crabgrass control through the early part of the next spring. Fall applications must be followed by an appropriate spring application to provide season-long control.

APPLICATION RATES for Crabgrass Control		
REGION	PROGRAM 1	PROGRAM 2
	PREEMERGENCE USE (high cut turfgrass)	PREEMERGENCE USE (low cut turfgrass) POSTEMERGENCE USE
North	3.33 lbs / 1000 sq ft (145 lbs / acre 0.125 lbs AI / acre)	6.67 lbs / 1000 sq ft (290 lbs / acre 0.25 lbs AI/acre)
Transition	4.89 lbs / 1000 sq ft (213 lbs / acre 0.183 lbs AI / acre)	9.77 lbs / 1000 sq ft (425 lbs / acre 0.366 lb AI / acre)
South	6.67 lbs / 1000 sq ft (290 lbs / acre 0.25 lbs AI / acre)	13.3 lbs / 1000 sq ft (580 lbs / acre 0.50 lbs / acre)
Coastal South	9.77 lbs / 1000 sq ft (425 lbs / acre 0.366 lb AI / acre)	13.3 lbs / 1000 sq ft (580 lbs / acre 0.50 lbs AI / acre*)
North: All other areas. Transition: DE, KS, KY, 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 *May require split or sequential applications for full control.		

USE PRECAUTIONS: Do not apply more than 13.3 pounds per 1000 square feet (0.5 pounds AI per acre) per application. Do not apply more than 40 pounds per 1000 square feet (1.5 pounds AI per acre) per year. (In New York, do not apply more than 13.3 lbs per 1000 square feet per year.)

Cultural practices such as aerification and dethatching should be completed, and the turf allowed to recover before application of this product. Do not use clippings from treated turf for animal feed or for mulching around vegetables or fruit trees. Do not allow domestic animals to feed or forage on treated turf. Keep people and pets off of treated areas until dust has settled. Do not use on golf course putting greens.

TIPS FOR IMPROVED CONTROL: 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 (half rate) applications spaced 6-8 weeks apart may provide improved weed control.

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 "slit seeders" for good seed-to-soil contact.

CONTROL OF OTHER GRASS AND BROADLEAF WEEDS:
SPRING APPLICATIONS: 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), Crowfootgrass, Foxtail (yellow & green)*, Goosegrass, Kikuyugrass, Lespedeza (common), Oxalis (buttercup, creeping & yellow woodsorrel), Purslane (common), Ryegrass (annual & perennial), Smutgrass, Speedwell (corn), Spurge (prostrate and spotted).

*Foxtail 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 or suppress the following weeds when applied prior to their emergence: Bluegrass (annual, roughstalk), Bittercress, Chickweed, Geranium (Carolina), Henbit, Parsley-piert, Pineappleweed, Shepherdspurge.

SPREADER SETTINGS	to apply at the listed pounds per 1000 square feet				
	3.33 lbs	4.89 lbs	6.67 lbs	9.77 lbs	13.3 lbs
Spreader A	X	X	X	X	X
Spreader B	X	X	X	X	X
Spreader C	X	X	X	X	X
Spreader D	X	X	X	X	X

Maintain additional spreader brands/models, spreader settings and spreader use instructions as appropriate for the product

(Optional wording for use with fertilizer inerts that may cause staining:) This product may stain driveways, walks, patios, pools, etc. Wash or sweep off thoroughly immediately after each use.

(Optional wording for compliance with Kentucky fertilizer registration:) When soil testing or professional advice indicates the need for additional plant nutrients, make additional applications of fertilizer products over the growing season.

ACCEPTED
with COMMENTS
In EPA Letter Dated

AUG 19 1998

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

32802-68

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: Completely empty bag into application equipment. Then 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.
(Alternate wording for household use:)
PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.
CONTAINER DISPOSAL: Do not reuse bag. Fold empty bag and discard in trash.

GUARANTEE: This product is unconditionally guaranteed.

(Alternate wording for warranty statement:)

GREEN GUARANTEED: Your satisfaction is guaranteed when this product is used in accordance with instructions. Of product performance is less than satisfactory, seller will refund the full purchase price with evidence of purchase.

(Alternate wording for warranty statement:)

NOTICE: Buyer and user assumes all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

(Alternate wording for warranty statement:)

WARRANTY AND DISCLAIMER: Manufacturer/seller warrants that this product conforms to the ingredient statement on the label, and that the product is reasonably suited for the labeled use when applied according to directions. Buyer and user assumes all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label. Manufacturer/seller makes no other warranty, expressed or implied, and shall not be liable for indirect or consequential damages.

(Alternate wording for warranty statement:)

WARRANTY AND DISCLAIMER: Manufacturer/seller warrants that this product conforms to the ingredient statement on the label, and that the product is reasonably suited for the labeled use when applied according to directions. Buyer and user assumes all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label. No other warranty, expressed or implied, is made concerning the merchantability or fitness for a particular purpose. Manufacturer/seller's liability shall be limited to the purchase price of the product. In no case shall manufacturer/seller be liable for consequential or incidental damages or loss.

(Alternate wording for warranty statement:)

NOTICE: Manufacturer/seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of manufacturer/seller. In no case shall manufacturer/seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Except as expressly provided, manufacturer/seller makes no other warranties or representations, expressed or implied, or by usage of trade, statutory or otherwise, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. Buyer's or user's exclusive remedy for loss or damage resulting from this product shall be limited to the cost of the product.