

32802-30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

2/14/2000

FEB 14 2000

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Acceptance Stamp
on last page. 4/4

Thomas Schmit
Howard Johnson's Enterprises, Inc.
700 W. Virginia St., No. 222
Milwaukee, WI 53204

Dear Mr. Schmit:

SUBJECT: 8-Month Response to Oryzalin RED
Excel-S-Plus.
EPA Registration Number 32802-30
Your Submission Dated December 23, 1999

The revised labeling for the subject product, referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

A stamped copy of the labeling is enclosed for your records. Please submit one copy of your final printed labeling incorporating this change before you release the product for shipment.

EPA has determined that you have fulfilled the labeling and product specific data requirements of the oryzalin RED. However, we cannot reregister this product at this time for the following reason:

- o The subject product is registered for use on turfgrass, a use for which the Agency does not have sufficient information to make a reregistration eligibility decision. Once the required data (foliar dislodgeable residues/guideline 132-1a; soil dislodgeable residues/guideline 132-1b; estimation of dermal exposure/guideline 133-3; and estimation of inhalation exposure/guideline 133-4) have been reviewed by the Agency, EPA will make a reregistration eligibility decision for the turfgrass use.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	Meljen							
DATE	2/14/00							

EXCEL-S-PLUS

COMBINES THE BEST OF TWO: BENEFIN + ORYZALIN

FOR CONTROL OF CRABGRASS, GOOSEGRASS,
FOXTAIL AND BARNYARDGRASS ON HOME LAWNS,
PARKS, GOLF COURSES AND OTHER
ORNAMENTAL AND RECREATIONAL TURF
FOR ESTABLISHED SOUTHERN LAWNS SUCH AS:
BAHIA, BERMUDAGRASS, CENTIPEDEGRASS,
ST. AUGUSTINEGRASS (ALL VARIETIES), ZOYSIAGRASS

ACTIVE INGREDIENTS:
benefin:
N-butyl-N-ethyl- α,α,α -trifluoro-2,6-dinitro-p-toluidine . . . 0.85%
oryzalin:
3,5-dinitro-N',N'-dipropylsulfanilamide 0.85%
INERT INGREDIENTS: 98.30%
TOTAL: 100.00%

Contains 0.85 pounds active ingredient per 50 pound bag
EPA Reg. No. 32802-30
EPA Est. No. 32802-WI-1 (A), 32802-MO-1 (B)
First letter of bag code shows establishment where manufactured.

Manufactured by:
HOWARD JOHNSON'S ENTERPRISES, INC.
700 W. Virginia Street, Milwaukee, WI 53204-1548

KEEP OUT OF REACH OF CHILDREN
CAUTION: See back panel for further cautions,
first aid information and directions for use.

NET WEIGHT:

GUARANTEED ANALYSIS
Total Nitrogen (N) X%
Available Phosphate (P₂O₅) Y%
Soluble Potash (K₂O) Z%
*(May contain additional fertilizer Guaranteed Analysis information as required by state registration and labelling requirements.
Or, may contain a referral statement to a fertilizer Guaranteed Analysis contained elsewhere on the package, such as:)
See tag attached to bag for fertilizer guaranteed analysis.*

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. Causes Moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling.
FIRST AID
IF IN EYES: Flush eyes open with plenty of water. Call a physician if irritation persists.
IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.
ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. 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 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 label.

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 food plus pre-emergence herbicide for pre-emergence control of annual weed grasses in established home lawns, apartment and condominium complexes, parks, golf courses, athletic fields, cemeteries and other ornamental and recreational turfgrass areas. When applied according to directions, this product can be used safely on the following established southern (warm season) turfgrasses: Bermudagrass, Bahiagrass, Centipedegrass, Tall Fescue, St. Augustinegrass varieties and Zoysiagrass.

WEEDS CONTROLLED: When applied to turf before germination of weed seeds, this product controls the following weeds as it provides fertilizer for robust growth: Crabgrass (smooth and hairy), Goosegrass (silver crabgrass or crowfoot), Barnyardgrass (watergrass), Foxtail (green and yellow) and Annual Bluegrass (*Poa annua*).

USE PRECAUTIONS: The specific application rate for this product is 2.6 pounds to 4 pounds per 1000 square feet (*Optional units of measure for expressing application rates shown in italics throughout label copy: 117 pounds to 174 pounds per acre; 2 to 3 pounds A.I. per acre*) with a minimum of 3 months between multiple applications. Make no more than 4 applications (equivalent to 6 pounds oryzalin active ingredient) per acre per year.

Entry restrictions: Do not enter or allow others to enter the treated area until dusts have settled.

Do not use on Dichondra. Do not use on newly sprigged areas of Bermudagrass, St. Augustinegrass or Centipedegrass until turf is well established. In Bermudagrass areas that have been overseeded with winter grasses, a spring application may thin the overseeded grasses. Do not make spring applications to turf planted the previous fall. This product may thin established Annual Bluegrass and fine-bladed Fescue lawns when used at a rate greater than 2.6 pounds per 1000 square feet (*117 lbs per acre; 2 pounds A.I. per acre*). This product will not harm most nearby ornamental trees and shrubs when used as directed.

FOR BEST RESULTS APPLY AT THE PROPER TIME: Successful pre-emergence control of annual weed grasses requires proper timing. Apply to turf before germination of weed seeds, since established weeds will not be controlled. The herbicide must be applied 1 to 2 weeks prior to the germination of the weed seeds. All summer annual weeds do not germinate at the same time. For this reason, the application must coincide with the normal germination period of the annual grassy weeds. If applied too early or too late, erratic weed control will result.

APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE											
Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	1	1	1	1	1	1	1	1	1	1	1
			2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3
1. For Crabgrass, Foxtail and Barnyardgrass control in southern turf 2. For Goosegrass control in southern turf 3. For <i>Poa annua</i> control in southern turf											

Best results will be obtained if treated areas are irrigated with 1/4 to 1/2 inch of water soon after application. Cultural practices that disturb the soil (such as aeration or verticutting) should be completed before application of this product.

SPRING GERMINATING ANNUAL GRASSES (CRABGRASS, FOXTAIL, BARNYARDGRASS): Apply 2.6 pounds to 4 pounds per 1000 square feet (117 to 174 pounds per acre; 2 to 3 pounds A.I. per acre), in late winter or early spring 1 to 2 weeks prior to the expected germination of annual weed grass seed germination. Apply 4 pounds per 1000 square feet (174 pounds per acre; 3 pounds A.I. per acre) where turf is completely overrun by weeds. Use 2.6 pounds per 1000 square feet (117 pounds per acre; 2 pounds A.I. per acre) when weeds are sparse or the turf is in an annual crabgrass control program.

LATE GERMINATING GOOSEGRASS (SILVER CRABGRASS): Although classified as a summer annual grass, Goosegrass normally germinates 4 to 6 weeks later than crabgrass, foxtails and other summer annual weed grass species. Applications of this product should therefore be made at a later time.

For goosegrass control in southern warm season turfgrasses, apply 2.6 to 4 pounds per 1000 square feet (117 to 174 pounds per acre; 2 to 3 pounds A.I. per acre) in late spring or early summer (see chart) 1 to 2 weeks prior to the expected germination of goosegrass. Use 4 pounds per 1000 square feet (174 pounds per acre; 3 pounds A.I. per acre) where turf is completely overrun by weeds. Use 2.6 pounds per 1000 square feet (117 pounds per acre; 2 pounds A.I. per acre) where weeds are sparse or the turf is in an annual weed control program.

APPLY TWICE FOR FULL SEASON CONTROL: In areas where pre-emergence control of both early germinating annual grasses (Crabgrass, Foxtail, and Barnyardgrass) and the later germinating Goosegrass is desired, 2 applications may be made, at the recommended rate, spaced 3 months apart, to provide season-long weed control.

POA ANNUA (ANNUAL BLUEGRASS) CONTROL: - For control of *Poa annua* growing in southern warm season turfgrasses, apply 4 pounds per 1000 square feet (174 pounds per acre; 3 pounds A.I. per acre) in the later summer or early fall 1 to 2 weeks prior to expected germination of *Poa annua*. In areas where germination continues for extended periods of time, a second application at 4 pounds per 1000 square feet (174 pounds per acre; 3 pounds A.I. per acre) can be made 3 months after the initial treatment for season long control. When Annual Bluegrass has completely over-run a lawn, the vacant "dead spots" resulting from the herbicide action will need special attention to establish new grass. Employ all proper cultural practices to get the new turf started.

RESEEDING TREATED AREAS: Delay reseeding at least 6 weeks when using 2.6 pounds per 1000 square feet (117 pounds per acre; 2 pounds A.I. per acre). Delay reseeding 12 to 16 weeks when using 4 pounds per 1000 square feet (174 pounds per acre; 3 pounds A.I. per acre). When reseeding, increase the amount of seed put down by 25%.

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

SPREADER SETTINGS: to apply at the listed rate

	2.6 lbs/1000 square feet (117 lbs/acre, 2 lbs A.I./acre)	4 lbs/1000 square feet (174 lbs/acre, 2 lbs A.I./acre)
Spreader A	X	X
Spreader B	X	X
Spreader C	X	X
Spreader D	X	X

(May contain additional spreader brands/models and the associated spreader settings, and additional spreader use instructions or recommendations for calibration of spreaders, as appropriate for the product)

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:)

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:)

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. 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. 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. Products not accepted under these terms should be returned within 20 days in the original, unopened container for return of purchase price.

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ACCEPTED
with COMMENTS
In EPA Letter Dated

FEB 14 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
32802-30