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REG. # 32802-24

*New Label*

COMFILE B:32EXCLNP.LAB #3  
EPA FILE SYM: 32802

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**ACCEPTED**  
NOV 12 1985  
U.S. Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 32802-24

20 LB. BAG TREATS  
  
NORTHERN LAWNS  
5,000 TO 6,500 SQ. FT.  
  
SOUTHERN LAWNS  
3,330 TO 5,000 SQ. FT.

**EXCEL - N - PLUS**

**WITH**

**CRABGRASS CONTROL PLUS 25-3-3 LAWN FOOD**

**Containing**

**A Double Duty Selective Pre-Emergence Herbicide For Lawns  
That Combines BENEFIN + TRIFLURALIN and a 25-3-3 Balanced Lawn Food  
\*\*\*\*\***

For Control of Crabgrass and Most Other Annual Weed Grasses as Listed In  
Home Lawns, Golf Courses, Parks and Other Ornamental & Recreational Turf.

THIS PRODUCT MAY BE USED ON THE FOLLOWING ESTABLISHED TURFGRASS VARIETIES  
Bluegrass(Perennial) - Ryegrass(Perennial) - Fescue -  
Bahagrass - Bermudagrass - Centipedegrass - St. Augustinegrass - Zoysiagrass

**ACTIVE INGREDIENTS:**

N-butyl-N-ethyl-alpha, alpha, alpha, trifluoro-2,6-dinitro-p-toluidine . . . . .	0.77%
TRIFLURALIN; Alpha, alpha, alpha, trifluoro- 2,6-dinitro-N,N-dipropyl-p-toluidine. . . . .	0.38%
INERT INGREDIENTS: . . . . .	98.85%
<b>Total</b>	<b>100.00%</b>

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

**STATEMENTS OF PRACTICAL TREATMENTS**

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Call a physician.

IF SWALLOWED: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water. Avoid Alcohol.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: If breathing difficulty occur, move individual to fresh air and get medical attention.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 32802-EU

EPA EST. NO. 32802-MO-1 (or) WI-1

NET WEIGHT 20 POUNDS (40 LB. BAG)

**HOWARD JOHNSON'S ENTERPRISES, INC.  
VIROQUA, WI 54665**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with skin or clothing. The granular formulation may cause skin sensitization reactions in certain individuals. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothig and wash before reuse.

**ENVIRONMENTAL HAZARDS**

Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.

**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

**STORAGE:** Store in original container only. In case of leak or spill, contain material and dispose of waste.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by storage or 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.

**WHERE TO APPLY**

When applied according to these Directions this product can be used safely on the following turfgrass varieties: PERENNIAL BLUEGRASS VARIETIES, PERENNIAL RYEGRASS VARIETIES, BERMUDAGRASS, BAHIA GRASS, CENTIPEDEGRASS, FESCUE VARIETIES, ST. AUGUSTINE GRASS & ZOYSIAGRASS lawns and ornamental turf. Will not harm most nearby ornamental trees and shrubs when used as directed.

**WEEDS CONTROLLED**

This product contains a combination of Benefin and Trifluralin pre-emergence Herbicides plus a 25-3-3 Lawn Food. It should be applied to established turf for the control of CRABGRASS (Smooth and Hairy), GOOSEGRASS (Silver Crab or Crowfoot), BARNYARDGRASS (Watergrass), FOXTAIL (Green and Yellow), and ANNUAL BLUEGRASS (Poa Annua) and provides a complete lawn fertilization.

**RATE OF FERTILIZER APPLICATION**

- 20 POUNDS PER 6,500 SQ.FT. = 0.76 LBS. (N) NITROGEN/1,000 SQ.FT.
- 20 POUNDS PER 5,000 SQ.FT. = 1.00 LBS. (N) NITROGEN/1,000 SQ.FT.
- 20 POUNDS PER 3,330 SQ.FT. = 1.50 LBS. (N) NITROGEN/1,000 SQ.FT.

**WHEN TO APPLY**

Apply to turf prior to germination of weed seeds since established weeds will not be controlled. Apply only to healthy established turf grass lawns.

**IMPORTANT PRECAUTIONS.**

DO NOT apply in the spring to Bermuda Grass which has been overseeded with winter grasses (annual rye) since thinning will occur. DO NOT use on Dichondra, nor to newly sprigged areas of Bermudagrass, St. Augustine Grass or Centipede Grass, until these turfs are well established, nor to Bentgrass or Putting Greens. DO NOT apply in spring to Turfgrass planted the previous fall. This product may thin established Annual Bluegrass (Poa Annua) & Fine-Leafed Fescue lawns when used at higher rates than 158 lbs. per acre. (2.0 lb. A.I. per Acre) Do not overdose.

**WHEN AND HOW TO TIME YOUR APPLICATION**

Successful pre-emergence control of the annual grass weeds on this label requires proper timing of application. This product must be applied one to two weeks prior to the germination of annual grass weeds. All summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual grassy weeds listed on this label, weed control results may be erratic or poor.

**WATER THE LAWN AFTER APPLICATION:** It is not necessary but optimum weed control performance will be obtained if treated areas are irrigated with 1/4 to 1/2 inch water soon after application. Any cultural practices that disturb the soil such as verticutting, should be done prior to application of this product.

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"SPRING GERMINATING" SUMMER ANNUAL GRASSES: CRABGRASS, FOXTAIL, BARNYARDGRASS:

A. Northern Cool Season Grasses - For pre-emergence control, apply 130 TO 174 lbs. per acre, ( equal to 1.5 to 2.00 lbs. Act. Ingrid./acre) applied in the spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. 20 lbs. will "Weed and Feed" 5,000 to 6,500 Sq.Ft. Use for 5,000 Sq.Ft. where turf is completely over run with weeds. Use for 6,500 Sq.Ft. when weeds are sparse and the turf is in a Yearly Lawn Mainatenance Programs.

B. Southern warm season turfgrass - For pre-emergence control apply 174 to 261 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre), in the late winter or early spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. 20 lbs. will "Weed and Feed" 3,330 to 5,000 Sq.Ft. Use for 3,330 Sq.Ft. where turf is completely overrun by weeds. Use for 5,000 Sq.Ft. when weeds are sparse or the turf is in a Yearly Crabgrass Control Program.

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"LATE SPRING, EARLY SUMMER GERMINATING" ANNUAL GRASSES: GOOSEGRASS (SILVER CRAB)  
Although classified as a summer annual grass, goosegrass normally germinates 4 to 6 weeks later than the crabgrass, foxtails and other summer annual grass species. Applications of this product should therefore, be timed accordingly.

A. Northern cool sesson turfgrasses - For pre-emergence control apply 174 lbs. per acre (equal to 2 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks prior to the expected germination period of goosegrass. 20 lbs. will "Weed and Feed" 5,000 Sq.Ft.

B. Southern warm season turfgrasses - For pre-emergence control, apply 174 to 261 lbs. per acre ( equal to 2 to 3 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks, prior to the expected germination of goosegrass. 20 lbs. will "Weed and Feed" 3,330 to 5,000 Sq.Ft. Use for 3,330 Sq.Ft. where turf is completely overrun by weeds. Use for 5,000 Sq. Ft. when weeds are sparse and the turf is in a Yearly Lawn Maintenance Program.

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**FULL SEASON CONTROL IN NORTHERN AND SOUTHERN TURFGRASSES**

In areas of the United Stated where pre-emergence control of both early germinatting annual grasses (Crabgrass, Foxtails, and Barnyardgrass) and the later germinating Goosegrass is desired, two application of this product at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

**POA ANNUA (ANNUAL BLUEGRASS) CONTROL**

In area of heavy infestation of Annual Bluegrass, its elimination will leave areas of thin turf. Employ proper cultural practices to establish a new turf.

A. Northern cool season turfgrasses - For pre-emergence control apply 174 lbs. per acre (equal to 2 lbs. Active Ingredient per acre) of this product per acre in late summer or early fall and again in late winter or spring one to two weeks prior to expected germination of annual bluegrass. 20 lbs. treats 5,000 Sq.Ft. of turfgrass area.

B. Southern warm season turfgrasses - For pre-emergence control apply 261 lbs. per acre (equal to 3 lbs. Active Ingredient per acre) of this product per acre in the later summer or early fall one to two weeks prior to expected germination of annual bluegrass. In southern areas of the United States where germination of annual bluegrass continues for extended periods of time a second application at 261 lbs. per acre can be made 10 to 12 weeks after the initial treatment. 20 lbs. treats 3,330 Sq.Ft. of Turfgrass area.

RESEEDING TREATED AREAS: 1. Delay reseeding - 6 weeks when applying at the rate of 130 or 174 lbs. of product per acre (equal to 1.5 to 2.0 lbs. Active Ingredient per acre. or 20 lbs. to treat 5,000 or 6,500 Sq.Ft.)  
2. Delay reseeding - 12 to 16 weeks when applying at the rate of 274 lbs. of product per acre (equal to 3.0 lbs. of Active Ingredient per acre or 20 lbs. to treat 3,330 Sq.Ft.)  
WHEN RESEEDING - INCREASE THE RECOMMENDED AMOUNT OF SEED BY 25%.

The following spreader settings are for use with new equipment. Your spreader may need calibrating since proper application is based on the spreader's condition with regard to age and use, your walking speed and the unevenness of the terrain. Poor weed control will result from uneven or improper application.

SPREADER SETTINGS						
Spreader	20# BAG	Northern Lawns		Southern Lawns		
		PER SQ.FT	Crabgrass etc	Poa Annua	Crabgrass etc	Poa Annua
SCOTT #35	6,500 "		3	4 1/2	-	-
	5,000 "		4	5 1/2	4	5 1/2
	3,330 "		-	-	5 1/2	6
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CYCLONE B-1	6,500 SQFT		2	3	-	-
	5,000 "		3	4	3	4
	3,330 "		-	-	4	4 1/2

20 LBS. TO TREAT 6,500 SQ.FT. = 130 LBS. PER ACRE = 1.50 LBS. A.I./ACRE  
20 LBS. TO TREAT 5,000 SQ.FT. = 174 LBS. PER ACRE = 2.00 LBS. A.I./ACRE  
20 LBS. TO TREAT 3,330 SQ.FT. = 261 LBS. PER ACRE = 3.00 LBS. A.I./ACRE

**GUARANTEED FERTILIZER ANALYSIS**

Nitrogen . . . . . 25%	Primary Plant Food derived from
Ammoniacal (N)..... 1.0%	Urea, Sulfur Coated Urea, Muriate
Urea (N)..... 19.0%	of Potash, Ammoniated Phosphate.
Sulfur Coated Urea.(N).. 5.0%	
Phosphoric Acid (P2O5) . . . . 3%	Potential Acidity 1036 lbs.
Soluble Potash . . . . . 5%	Calcium Carbonate per ton.

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

COMFILE B:32EXCLNP.LA5 #3  
EPA FILE SYMBOL: 32802-

PRODUCT NAME: EXCEL-N-PLUS w/CRABGRASS CONTROL PLUS 25-3-3 LAWN FOOD  
SUBMITTED 7/9/85 WITH DRAFT LABELING

OPTIONAL LABELING.....

FOR OPTIMUM PRE-EMERGENCE WEED CONTROL APPLY AT THE APPROPRIATE TIME

----- APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE-----												
JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	
1.////////		2.////////		3.////////								
4.////////				5.////////								
6.////////										*6.////////		

- 1. For Crabgrass etc. Northern Turf.
- 2. For Goosegrass in Northern Turf.
- 3. For Poa Annua in Northern Turf.
- 4. For Crabgrass etc. Southern Turf.
- 5. For Goosegrass in Southern Turf.
- 6. For Poa Annua in Southern Turf.

\*Two application may be needed during this period to give maximum control.