

REG. # 32802-30 10F5
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EPA FILE SYM: 32802-__

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50 LB. BAG TREATS
12,500 TO 19,000 SQ.FT.
FOR SOUTHERN LAWNS

NEW WEED CONTROL
FOR SOUTHERN LAWNS

E X C E L - S - P L U S

C R A B G R A S S C O N T R O L
F O R S O U T H E R N L A W N S

W I T H

3 0 - 2 - 5 L A W N F O O D

ACCEPTED
NOV - 4 1985
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 32802-30

Containing

A New Combination Of Pre-Emergence Herbicides Plus a 30-2-5 Complete Lawn Food

Combines the Best of Two :: Benefin + Oryzalin

For Control of Crabgrass, Goosegrass, Barnyardgrass and Foxtail on
Home Lawns, Apartment & Condominium Complexes, Parks, Golf Courses,
Athletic Fields, Cemeteries and Other Ornamental & Recreational Turf Areas

- - - - - FAST GREENING WITH EXTENDED FEEDING - - - - -
CONTAINS 7.5% SLOW RELEASE NITROGEN FOR EXTENDED FEEDING

FOR ESTABLISHED SOUTHERN LAWNS SUCH AS: Bahiagrass - Bermudagrass
Centipedegrass - St. Augustinegrass (All varieties) - Zoysiagrass

ACTIVE INGREDIENTS:

N-butyl-N-ethyl-alpha, alpha, alpha, trifluoro-2,6-dinitro-p-toluidine	0.85%
ORYZALIN: 3,5-dinitro-N4,N4- dipropylsulfanilamide	0.85%
INERT INGREDIENTS:	98.30%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

W A R N I N G

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-GN(30)

EPA EST. NO. 32802-MO-1 ; WI-1

NET WEIGHT 50 POUNDS

HOWARD JOHNSON'S ENTERPRISES, INC. VIROQUA, WISCONSIN 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 clothing 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 USE

When applied according to directions this product can be used safely on the following established Southern Lawn, Warm Season Turfgrasses : BAHIAGRASS, BERMUDAGRASS, CENTIPEDEGRASS, ST. AUGUSTINEGRASS VARIETIES, TALL FESCUE, and ZOYSIAGRASS. It may be used for Home Lawns, Apartment & Condominium Complexes, Parks, Golf Courses, Athletic Fields, Cemeteries, and all other ornamental and recreational turfgrass areas. Will not harm most nearby ornamental trees and shrubs when used as directed.

WILL CONTROL THE FOLLOWING GRASSY WEEDS

This New Product, backed by Basic Research, gives excellent control of Grassy Weeds. It contains a new effective combination of Benefin and Oryzalin, (commonly known as BALAN and SURFLAN; Reg. Trade Marks of the Elanco Products Company), pre-emergence herbicides plus a 30-2-5 Complete Lawn Food. It should be applied to established turf for the control of CRABGRASS (Smooth and Hairy) GOOSEGRASS (Silver Crabgrass or Crowfoot), BARNYARDGRASS (Watergrass), FOXTAIL (Green and Yellow), and ANNUAL BLUEGRASS (Poa Annua) while providing the lawn with Major Elements needed for robust growth.

RATE OF FERTILIZER APPLICATION

50 POUNDS PER 12,500 SQ.FT. = 1.20 LBS. (N) NITROGEN/1,000 SQ.FT.
50 POUNDS PER 19,000 SQ.FT. = 0.79 LBS. (N) NITROGEN/1,000 SQ.FT.

FOR BEST RESULTS APPLY AT THE PROPER TIME

This product will not control weeds that have already emerged and are growing. Successful pre-emergence control of the annual grassy weeds requires proper timing. 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 any one of the annual grassy weeds. If applied to early or too late erratic weed control will result due to bad timing of the application.

Best weed control results will be obtained if treated areas are irrigated with 1/4 to 1/2 inch water soon after application. Cultural practices that disturb the soil such as verticutting, should be done prior to treatment.

REFER TO APPLICATION CHART FOR APPROPRIATE TIME TO APPLY THIS PRODUCT

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

Use 50 lbs. to treat 12,500 to 19,000 Sq.Ft. of turf.
(equal to 2.0 to 3.0 lbs. actual herbicide per acre)

For weed control in Southern warm season turfgrass apply 117 to 174 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. Use for 12,500 Sq.Ft. where turf is completely overrun by weeds. Use for 19,000 Sq.Ft. when weeds are sparse and the turf is in an Annual Crabgrass Control Program.

"LATE SPRING-EARLY SUMMER GERMINATING".....GOOSEGRASS (SILVER CRABGRASS).....

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 applied later.

Use 50 lbs. to treat 12,500 to 19,000 Sq.Ft. of turf.
(equal to 2.0 to 3.0 lbs. actual herbicide per acre).

For weed control in Southern warm season turfgrasses apply 117 to 174 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre) in late spring or early summer (see chart) one to two weeks, prior to the expected germination of goosegrass. Use for 12,500 Sq.Ft. where turf is completely overrun by weeds. Use for 19,000 Sq.Ft. where weeds are sparse and the area is in a yearly lawn maintenance service 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, two applications of this product at the recommended rate, spaced 8 to 10 weeks apart may be made to provide full season long weed control.

POA ANNUA (ANNUAL BLUEGRASS) CONTROL

50 lbs. will weed and feed 12,500 Sq.Ft.

For control of "Poa" growing in Southern warm season turfgrasses apply 174 lbs. per acre (1 x 50 lb. bag / 12,500 Sq.Ft. is equal to 3 lbs. Active Ingredient per acre) in the later summer or early fall one to two weeks prior to expected germination of poa annua. In areas where germination continues for extended periods of time a second application at 174 lbs. per acre can be made 10 to 12 weeks 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.

TO RESEED TREATED AREAS

Delay reseeding - 6 weeks when using 50 lbs./19,000 Sq.Ft. (117 lbs./acre).
 Delay reseeding -12 to 16 weeks when using 50 lb./12,500 Sq.Ft. (174 lbs./acre)

When Reseeding increase the amount of seed put down by 25%

The following spreader settings are for use with new equipment. Your spreader may need re-calibrating since proper application is based on equipment 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	50# BAG	FOR 12,500 SQ.FT. 3.0 LB/ ACRE RATE	FOR 19,000 SQ.FT. 2.0 LB/ ACRE RATE
CYCLONE	"	3	2
SCOTTS R-7X	"	4	3

For further information on calibrating your spreader see "Weed Control Is Based On Proper Application".

50 LBS. TO TREAT 19,000 SQ.FT. = 117 LBS. PER ACRE = 2.00 LBS. A.I./ACRE
 50 LBS. TO TREAT 12,500 SQ.FT. = 174 LBS. PER ACRE = 3.00 LBS. A.I./ACRE

GUARANTEED FERTILIZER ANALYSIS

Nitrogen	30%	Primary Plant Food derived from
Ammoniacal (N).....	0.8%	Urea, Sulfur Coated Urea, Diammonium
Urea (N).....	21.7%	Phosphate, Muriate of Potash.
Sulfur Coated Urea (N).	7.5%	
Phosphoric Acid (P2O5)	2%	Potential Acidity 1245 lbs.
Soluble Potash	5%	Calcium Carbonate per 100lb.

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.

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*FOR BEST RESULTS 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.
SOUTHERN TURF WEED SEED GERMINATION PERIODS											
1.//////////			2.////////								
3.////////									**3.//////////		

1. For Crabgrass, Foxtail and Barnyardgrass.
2. For Goosegrass - Southern Turf.
3. For Poa Annua in Southern Turf.

*Apply 1 to 2 weeks before weed seed germination at your locale.
 **Two application may be needed during this period to give maximum control.

WEED CONTROL IS BASED ON PROPER APPLICATION

The following spreader settings are for use with new equipment. Your used spreader may need calibrating. Since proper application is based on the spreaders condition with regard to age and use, your walking speed and the evenness of the terrain, your spreader may require a slight adjustment.

If you have reason to believe that your spreader is not calibrated correctly test apply by placing the amount for 500 Sq.Ft. into your spreader and apply to your pre-measured 500 Sq.Ft. (5 ft. wide by 100 feet long).

Using a Scott Spreader for Crabgrass control place 2.00 lbs. granules in your spreader using No.4 setting and apply to 500 Sq.Ft. With a 20 inch spreader this will equal 3 spreader widths wide (3 passes) by 100 feet long. If you run out of granules before your cover the pre-measured area close the spreader setting by 1/2 number. If you have granules left over, open (increase) the spreader setting by 1/2 the number. For further help refer to your spreader Guide Booklet.

POOR WEED CONTROL WILL RESULT IF YOUR SPREADER APPLIES LESS GRANULES THAN RECOMMENDED.....MAKE SURE TO APPLY THE TOTAL POUNDS PER SQUARE FEET AS SHOWN IN THE SPREADER SETTING CHART

PRECAUTIONS WHEN APPLYING

This product may thin established Annual Bluegrass Turf and Fine-leafed Fescue lawns when used at a rate above 117 lbs. per acre, (50 lbs./19,000 Sq.Ft.) It should not be used on areas planted the previous fall that have not become well established nor should it be used during the same spring establishment occurs. In Bermudagrass areas that have been overseeded with winter grasses, a spring application may thin the over-seeded grasses. Do not use on Dichondra. Do not use on newly sprigged areas of Bermudagrass, St. Augustinegrass or Centipedegrass until these turfs are well established.

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