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pms
1450-11

\LABEL\14PREMRG.LAB HD #13
EPA File Symbol: 1450-__

ACCEPTED
AUG 13 1986
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 1450-11

Page 1 of 4
50 LB BAG TREATS
UP TO 10,000 SQ.FT.
OF LAWNS

**NEW "TOTAL" WEED & FEED
FOR BERMUDAGRASS LAWNS**

PREMERGE PLUS™

Contains SURFLAN®, a Pre-emergent Herbicide for the Control of Crabgrass, Henbit, and Most Other Annual Broadleaf & Grassy Weeds in Lawns, Golf Courses, Parks, and other Ornamental and Recreational Turf areas.

For Established Southern Lawns

Bermudagrass - Zoysiagrass - St. Augustinegrass - Bahiagrass - Centipedegrass

**CONTAINS
3-5-22 PLANT FOOD**

PLUS>>>>High Potash RatioFor Winter Survival
PLUS>>>>Pelletized GypsumA Soil Conditioner

**MAY BE APPLIED IN THE FALL OR SPRING
FOR PRE-EMERGENT CONTROL OF ANNUAL GRASSES AND BROADLEAF WEEDS**

ACTIVE INGREDIENT:

ORYZALIN: 3,5-dinitro-N4,N4-	
dipropylsulfanilamide	0.75%
INERT INGREDIENTS:	99.25%
Total	100.00%

•SURFLAN is a Registered Trade Mark of the Elanco Products Company

KEEP OUT OF REACH OF CHILDREN

W A R N I N G

STATEMENTS OF PRACTICAL TREATMENT

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 immediately. Drink promptly a large quantity of milk, egg white, gelatin, 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 occurs, move individual to fresh air and get medical attention.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
EPA Reg. No. 1450-__ **NET WEIGHT** 50 **POUNDS (25 pounds)** EPA EST. NO. 1450-TX-1

**ESTES CHEMICALS INC.
WICHITA FALLS, TEXAS 76307**

A File Symbol: 1450- **PREMERGE PLUS**

FALL Application - 50 Pounds covers 10,000 Sq.Ft.
SPRING Application - 50 pounds covers 8,000 Sq.Ft. up to 10,000 Sq.Ft.

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

Do not contaminate water, food, or feed by storage or disposal.
STORAGE: Store product in its original bag, in a cool, dry, locked place out of reach of children. In case of spill, sweep up, and use according to directions or dispose of as follows.
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.

WHERE TO USE

When applied according to Directions this product can be used safely on the following established Southern Lawn, warm season turfgrass varieties: BAHIAGRASS, BERMUDAGRASS, CENTIPEDEGRASS, ST. AUGUSTINEGRASS VARIETIES, TALL FESCUE VARIETIES, & ZOYSIAGRASS lawns and ornamental turf. It may be used for Home Lawns, Apartment and Condominium complexes, Park, 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.

PREMERGE PLUS™ A BROAD SPECTRUM PRE-EMERGENT HERBICIDE FOR SOUTHERN LAWNS

CONTROLS
GRASSY WEEDS & BROADLEAF WEEDS

This New product, backed by ELANCO research, gives excellent pre-emergent control of GRASSY AND BROADLEAF WEEDS as listed. It contains Oryzalin Herbicide (commonly known as SURFLAN®, a registered Trade Mark of Elanco Products Co.) in a free flowing combination herbicide-fertilizer product.

GRASSY WEEDS

It should be applied to established turf for the control of ANNUAL BLUEGRASS (Poa Annuua), BARNYARD GRASS, BROWNTOP PANICUM, CRABGRASS (Large Crabgrass, Smooth Crabgrass), CROWFOOTGRASS, CUPGRASS, FOXTAILS (Bottlegrass, Bristlegrass, Giant Foxtail, Green Foxtail, Pigeongrass, Robust Foxtail, Yellow Foxtail), GOOSEGRASS (Silvercrabgrass), JOHNSON GRASS SEEDLINGS, LOVEGRASS (Mexican, Orcutt), FALL PANICUM, RYEGRASS (Annual), SANDBUR, TEXAS PANICUM (Buffalograss, Coloradograss), and WITCHGRASS.

BROADLEAF WEEDS

Will also control many Broadleaf Weeds: BITTERCRESS, CARPETWEED, COMMON CHICKWEED, FIDDLENECK (Coast), FILAREE (Redstem, Whitestem), GROUNDSEL, HENBIT, KNOTWEED, LAMBSQUARTER, PIGWEEDS, PUNCTURE VINE, COMMON PURSLANE, FLORIDA PUSLEY, LONDON ROCKET, ROCK PURSLANE, SHEPARDSPURSE, SPRANGLETOP, PROSTRATE SPURGE, WOODSORREL (Creeping).

THE FOLLOWING WEEDS MAY BE SUPPRESSED BY APPLICATIONS OF PREMERGE PLUS

Black Nightshade, Common Ragweed, Ladysthumb, Morningglory, Smartweed, Teaweed (Prickly Sida), Velvetleaf, Horseweed, Prickly Lettuce, Common Mallow, Black Mustard, Wild Mustard, Annual Sowthistle, Climbing Milkweed, Spotted Spurge, and Volunteer Wheat.

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 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 new Turfgrass planted the previous fall. DO NOT use this product at rates higher than recommended, e.i. 50 lbs./8,000 Sq.Ft. DO NOT OVERDOSE OR OVERLAP.

WHEN TO APPLY*

FOR BEST RESULTS APPLY AT THE PROPER TIME

Apply only to healthy established turf at *least 1 to 2 weeks prior to germination of weed seeds since established weeds will not be controlled. All summer annual grasses do not germinate at the same time. Many weeds germinate in the fall. For this reason your application must *coincide with the normal germination period. If applied too early or too late, erratic weed control will result. See Chart for proper timing.

WATER THE LAWN AFTER APPLICATION: Best results 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 treatment.

WINTER ANNUAL WEEDS

FOR CONTROL OF WINTER ANNUAL BROADLEAF AND GRASSY WEEDS IN BERMUDAGRASS LAWNS

For pre-emergence weed control of listed "winter annual" grassy and broadleaf weeds apply 50 lbs. per 10,000 Sq.Ft. of Lawn; (this is equal to 1.65 lbs herbicide per acre), Apply in the fall (as early as Mid-September) or early winter at least one to two weeks prior to warm moist weather, which is ideal for the germination of weed seeds. Also may be used on other Southern turfgrasses as listed on this label. See Chart; (No.4)

"Sun-Turf" Bermudagrass has shown sensitivity to this herbicide e.i. first test apply on a small inconspicuous plot before treating the entire area.

SPRING ANNUAL WEEDS

IN BERMUDAGRASS AND OTHER SOUTHERN LAWNS

For control of weeds as listed in late winter or spring apply 50 lbs. to cover 8,000 to 10,000 Sq.Ft. (equivalent to 1.65 lbs. to 2 lbs. herbicide per acre). Apply 1 to 2 weeks prior to the onset of conditions favorable for weed seed germination. See Chart; (No.1)

When making a "first ever application" or where the turf has been completely overrun by weeds use 50 lbs. to cover 8,000 Sq.Ft. When weeds have been sparse and/or the turf has been or is now in a Yearly Weed Control Program 50 lbs. may be used to cover 10,000 Sq.Ft.

BEL\14PREMRG.LA4 HD #14
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PREMERGE PICTS™

**LATE SPRING, & EARLY SUMMER ANNUAL WEEDS
IN BERMUDAGRASS & OTHER SOUTHERN LAWNS**

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. Certain Broadleaf weeds such as Prostrate and Spotted Spurge also may germinate "late". For best control of late germinating weeds this product should therefore be applied "later" than the for early germinating weeds. See Chart; (No.2)

Apply 50 lbs. to treat 8,000 to 10,000 Sq.Ft. of turf in late spring or early summer one to two weeks, prior to the expected weed seed germination.

When making a "first application" or where the turf has been completely overrun by weeds use 50 lbs. to cover 8,000 Sq.Ft. When weeds have been sporadic and/or the turf has been or is now in a Yearly Weed Control Program use 50 lbs. to treat 10,000 Sq.Ft.

POA ANNUA (ANNUAL BLUEGRASS)

Use 50 lbs. per 10,000 Sq. Ft. applied in the fall before seed germinates. In areas of heavy infestation of annual bluegrass, its elimination will temporarily result in very thin turfgrass areas. Proper fertilization, irrigation and soil incorporated seeding or sprigging will encourage existing and newly planted seeds and turf to fill in these area. See Chart; (No.3)

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.//////////		

- 1. For CRABGRASS and other Grasses & Broadleaf Weeds germinating in Late winter & spring.
- 2. For GOOSEGRASS and other Late Germinating Broadleaf Weeds and grasses.
- 3. For POA ANNUA in Southern Turf.
- 4. For Fall Application to control WINTER ANNUALS in Bermudagrass etc.

SPREADER SETTINGS

		8,000 SQ. FT.	10,000 SQ. FT.
		6% lbs./1,000 Sq.Ft.	5 lbs./1,000 Sq.Ft.
CYCLONE B-1	50 lbs.	4 1/2	3 1/2
SCOTTS #35	50 lbs.	6 1/2	5 1/2

NOTE: Spreader rate varies with walking speed. Check spreader over known area.

GUARANTEED ANALYSIS

Total Nitrogen (N) 3%
 Ammoniacal Nitrogen 3.00%
 Available Phosphoric Acid (P2O5) 5%
 Soluble Potash (K2O) 22%

Derived from Ammonium Sulfate, Diammonium Phosphate, Muriate of Potash
 Potential Acidity Equivalent to 250 lbs. of Calcium Carbonate per ton
 This product is formulated with a 46% Pelletized Gypsum base.

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