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US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
59144-30

DATE OF ISSUANCE
MAR 19 1998

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

TERM OF ISSUANCE
Conditional

NAME OF PESTICIDE PRODUCT
WEED & GRASS PREVENTER Contains
0.38% BARRICADE®

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

GRO TEC, INC.
P.O. Box 290
Madison, GA 30560

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Add the phrase "EPA Registration No. 59144-30" to the label before you release the product for shipment.
2. Correct the spelling of the word "weed" in the labeled name of product.
3. Delete the phrase, "(59GN-LMN.365/03-12-98)" at bottom of first column of label text.
4. The label bears net weights for 5, 10, 20, 40 and 50 lbs. and 20 and 40 lbs.; your application does not list the 50 lbs. net weight. Delete the claim for 50 lbs. on the label.
5. Submit one (1) copy of the final printed labeling before you release the product for shipment.

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.

Enclosure

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

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Joanne I. Miller

DATE

MAR 19 1998

Weed & Grass Preventer - Contains 0.38% Barricade

20 Pounds Treats up to 5,000 sq.ft.

For Selective Preemergence Control of Grass and Broadleaf Weeds in Established Turf Grasses, (excluding golf course putting greens) and Lawns - Landscape Ornamentals including Established Perennials and Wildflower Plantings.

ACTIVE INGREDIENT:

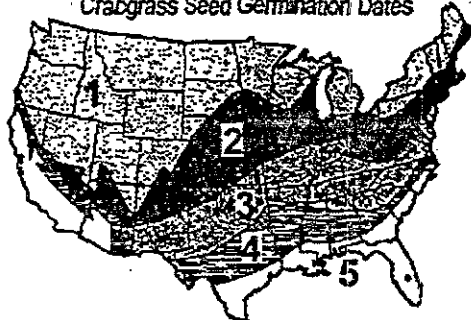
Profluminate [N,N-Di-(p-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine)] - 0.38%
 NERT INGREDIENTS: - - - - - 99.62%
 Total 100.00%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See the following section, Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information. Barricade® is a Registered Trademark of Novartis.

EPA Reg. No. 59144-GN EPA Est. No. 59144-GA-1

Crabgrass Seed Germination Dates



Approximate Dates

1. Mid-north & northwestern After May 30
2. Upper mid-states & northeast After May 10
3. Lower mid-states After April 20
4. Upper southern states After Mar 20
5. Warm season states Jan 1 to Mar 20

WEEDS CONTROLLED

When used in accordance with this label this product will provide control of the following weeds.

Barnyardgrass	Goosegrass ⁽¹⁾	Pigweed
Bluegrass, Annual (Poa Annual)	Herb	Purslane, Common
Carpetweed	Ithgrass	Rutab, Florida
Chickweed, Common	Johnsongrass (from seed)	Rescuegrass ²
Chickweed, Mouse ear (from seed)	Juncieae	Shepherd's Purse ³
Crabgrass (Large, Smooth)	Knotted	Signalgrass, Broadleaf
Crowfootgrass	Kochia	Sprangletop
Cupgrass, Woolly	Lambsquarters, common	Speedwell, Persian
Foxtail, Annual	Lovegrass	Spurge, Prostrate
	Panicum (Texas, Fall Browntop)	Witchgrass
		Woodsoot, Yellow (from seed)

⁽¹⁾ In many areas a single application of 171 to 395 lbs./A will control Goosegrass. However under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 171 to 263 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rates section. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rate section. ⁽²⁾ Application for this weed should be made in late summer, fall, or winter prior to germination. ⁽³⁾ Suppression Only.

Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

WHEN TO APPLY AFTER OVERSEEDING TURF

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

Product Rate lb/A	a/A	Months Before Overseeding		
		North	Transition	South
131	0.50	4 mos.	4 mos.	4 mos.
171	0.65	5 mos.	4 mos.	4 mos.
197	0.75	6 mos.	5 mos.	5 mos.
210	0.80	-	6 mos.	6 mos.
263	1.00	-	7 mos.	7 mos.
300	1.14	-	-	9 mos.
342	1.30	-	-	10 mos.
395	1.50	-	-	12 mos.

SPREADER SETTINGS FOR 20 LBS. PER 5,000 SQ.FT.

- Scott's Evergreen 18" #7/12
- Scott's Speedy Brcdst #6
- Red Devil Broadcast #12
- Republic EZ Drop 18" #5
- Republic EZ Broadcast #4 1/2
- Republic EZ Trct, Brcdst #4 1/2



ACCEPTED with COMMENTS in EPA Letter Dated

MAR 19 1998

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

59144-30

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

Statements of Practical Treatment

If in eyes: Flush thoroughly with water for several minutes. Get medical attention if irritation persists. If on skin: Wash with soap and water. Rinse thoroughly. Get medical attention if irritation persists. If inhaled: Remove victim to fresh air.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters. If product is spilled, sweep up and use as per label instructions or dispose of as indicated for PESTICIDE DISPOSAL.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in original container away from other fertilizer, feed, or foodstuffs and separated from other pesticides. **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:** Do not reuse empty bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or at an incineration facility, or if allowed by State and local authorities, by burning locally. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), and lawns, (landscape ornamentals, established perennials and wildflower plantings). It controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 1/2 inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application. Not for use on plants being grown for: (1) Sale or other commercial use; (2) for commercial seed production or; (3) for research. For use on plants intended for esthetic purposes or climatic modification and being grown in ornamental gardens, or parks, or on golf courses, or lawns and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

Application Directions

Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURF

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grass and lawns. The maximum amount of material that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 1/2 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map for approximate crabgrass seed germination dates. (59GN-LWN.p6503-12-98)

USE PRECAUTIONS

The following precautions apply to the use of this product in turf grasses and lawns. (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) Do not apply to overseeded turf within 60 days after seeding or until after the second mowing whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as diking may result in reduced weed control. (6) Do not apply this product to putting greens, or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.

Rates of Application

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. It will not control established weed. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Maximum Annual Rates

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate/Calendar Year of Product by Turf Grass Species ⁽¹⁾		
Turf Species	Lbs. Product/A	Lbs. a/A
Creeping Bentgrass	171 lbs.	0.65 lbs.
Creeping Red Fescue	197 lbs.	0.75 lbs.
Buffalograss	263 lbs.	1.0 lbs.
Kentucky Bluegrass	-	-
Perennial Ryegrass	-	-
Bermudagrass ⁽²⁾	395 lbs.	1.5 lbs.
Bahiagrass	-	-
Centipedegrass	-	-
Seashore Paspalum	-	-
St. Augustinegrass	-	-
Tall Fescue	-	-
Including turf type	-	-
Zoysia	-	(1/2 lb. per Acre)

⁽¹⁾ These are the maximum rates per calendar year by species limitations. ⁽²⁾ May be used on newly-sprigged or plugged Bermudagrass at rates not to exceed 137 lbs./A. Newly-sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations. Do not apply more than 395 lbs. of this product per calendar year. Use higher rates of product to achieve longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates Section.

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

Gro Tec, Inc.

P.O. Box 290 - Madison, GA 30650 U.S.A.

Net Weight 20 (40) Pounds

