

7001-385

10/03/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
7001-385

Date of Issuance:
OCT - 3 2002

Term of Issuance:
Conditional

NOTICE OF PESTICIDE:

X Registration
Reregistration

Name of Pesticide Product:
Turf Fertilizer with
0.40% Barricade®

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

J. R. Simplot Company
P.O. Box 198
Lathrop, CA 95330

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you:

1. Add the phrase "EPA Registration No. 7001-385 to the label before you release the product for shipment.

COMMENTS CONTINUED ON PAGE 2 OF THIS NOTICE OF REGISTRATION

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 under the enclosed stamped copy of the label constitutes acceptance of these conditions.

Enclosure

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

Signature of Approving Official:

Joanne I. Miller

Date:

OCT - 3 2002

Comments Continued:

2. Replace the triple asterisk with a single asterisk on the word "Prodiamine" in the ingredient statement.
 3. Delete the word "selective" where it occurs on the label.
 4. In the "Directions of Use" section delete the words: "crop injury, or illegal residues".
 5. Correct the name of your company, if it is not incorporated. The name of record with the Agency's file indicate that you are not incorporated.
 6. Resubmit EPA Form 8570-1 showing your correct company name and address in block 5; and clearly the type of container in which this product will be packaged.
 7. As this product is a residential/household use pesticide product, the " Disposal" section must Comply with PR Notice 2001-6, dated September 7, 2001. Revise the label to reflect the appropriate statements.
 8. Submit the required Storage Stability and Corrosion Characteristics (EPA Guidelines Data 830.6317 and 830.6320, respectively) for this pesticide product within one year from the date of this Notice of Pesticide Registration.
 9. Submit and/or cite all data required for the registration of this product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of this product under FIFRA, section 4.
 10. Submit one (1) copy of the final printed labeling before you release this product for shipment.
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Turf Fertilizer with 0.40% Barricade®

Label page 1 of 3
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Barricade® is a Reg. Trademark of Sygenta Corporation
ACTIVE INGREDIENT:
 Prodiamine*** 0.40%
OTHER INGREDIENTS: 99.60%
 ***CAS [2909-21-2] Total 100.00%

For Selective Preemergence Control of Weed Grasses and Broad-leaf Weeds in all Established Turf Grasses, Lawns, Golf Course fairways, and Sod Farms, (not for putting greens). Also for preemergence weed control around Landscape Ornamentals including Established Perennials and Wildflower Plantings.

ACCEPTED with COMMENTS
In EPA Letter Dated
OCT - 3 2002

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

KEEP OUT OF REACH OF CHILDREN
CAUTION

EPA Reg. No. 7001- EPA Est. No. 7001-FL-1

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 frequent repeated skin contact while handling the material may cause allergic reactions in some individuals.

FIRST AID

READ ENTIRE LABEL BEFORE USING

IF SWALLOWED - Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF IN EYES** - Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. **IF ON SKIN OR CLOTHING** - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for treatment advice. Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants; chemical resistant gloves; and shoes plus socks, a dust mask and protective eyewear. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE soon after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly. Change into clean clothing.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limits 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.

DIRECTIONS FOR USE

violation of Federal law to use this product in a manner inconsistent with labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

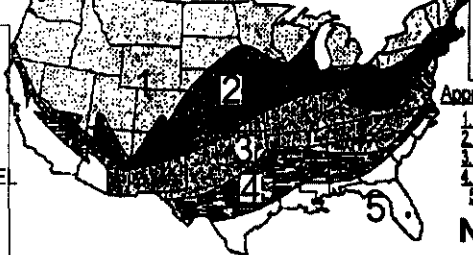
Use this product only in accordance with labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, and nurseries and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (sod farms, commercial nurseries.)

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:
 • Coveralls;
 • Chemical resistant gloves, such as butyl rubber > 14 mils or natural rubber >14 mils or Nitrile rubber > 14 mils.
 • Shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The "WPS" applies when this product is used to produce agricultural plants on farms, forests, or nurseries. Applicators and handlers should wear long-sleeved shirt, long pants, chemical resistant gloves, shoes with socks, and protective eyewear. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Launder exposed clothing before reuse. Do not allow reentry to treated areas until dusts have settled and the turfgrass or soil is dry.

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

Net Weight 50 Pounds

Directions For Use (Cont.)

This product is a turf fertilizer and a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses, golf courses (excluding putting greens), for sod farms, and lawns, and around landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seed 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. 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. Do not apply otherwise.

ESTABLISHED TURF

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds, listed below, 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 Chart** 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.

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 seedling 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 disking 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 weeds listed below. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of "residual pre-emergence weed control" provided by this product is related to the rate applied.

Maximum Annual Rates Chart

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

(1) Maximum application rate of this product per calendar year by turfgrass species		
Turf Species	lbs. Product / Acre	lbs. a.i. / Acre
Creeping Bentgrass	162 lbs.	0.65 lb.
Creeping Red Fescue	187 lbs.	0.75 lb.
Buffalograss	250 lbs.	1.00 lb.
Kentucky Bluegrass	"	"
Perennial Ryegrass	"	"
Bermudagrass (2)	375 lbs.	1.50 lbs.
Bahiagrass	"	"
Centipedegrass	"	"
Seashore Paspalum	"	"
St. Augustinegrass	"	"
Tall Fescue	"	"
(including turf type)	"	"
Zoysia	"	"

- (1) These are the maximum rates per calendar year by species limitations.
- (2) May be used on newly-sprigged or plugged Bermuda grass at rates not to exceed 130 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 375 lbs. of this product to the same area per calendar year.
- Use higher rates of this product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates Chart. 7001-bw-028-05-25-02-p88

WEEDS CONTROLLED

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

Barnyardgrass	Henbit	Purslane, Common
Bluegrass, Annual	Itchgrass	Pusley, Florida
(Poa Annua)	Johnsongrass	Rescuegrass (3)
Carpetweed	(from seed)	Shepherd's Purse (2)
Chickweed, Common	Junglerice	Signalgrass,
Chickweed, Mouseear	Knotweed	Broadleaf
(from seed)	Kochia	Speedwell, Persian
Crabgrass	Lambsquarter,	Sprangletop
(Large, Smooth)	Common	Spurge, Prostrate
Crowfootgrass	Lovegrass	Witchgrass
Cupgrass, Woolly	Panicum (Texas,	Woodsorrel, Yellow
Foxtails, Annual	Fall, Browntop)	(from seed)
Goosegrass (1)	Pigweed	

(1) In many areas a single application of 162 to 375 lbs. per acre 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 162 to 250 lbs. per acre followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rates Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates Chart on this label.

(2) Application for Shepherd's purse should be made in late summer, fall, or winter prior to germination.

(3) Suppression only of rescuegrass. 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, which ever is longer. Injury to desirable seedlings is likely if this product is applied before seedling 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 and or reseeding results.

Product Rate lbs./Acre	Months Before Overseeding			
	a.i./Acre	North	Transition	South
125	0.50	4	4	4
162	0.65	5	4	4
187	0.75	6	5	5
200	0.80	-	6	6
250	1.00	-	7	7
287	1.15	-	-	9
325	1.30	-	-	10
375	1.50	-	-	12

Application Equipment and Spreader Settings

The size and bulk density of granules in this product may vary; therefore, calibrate your granular applicator prior to application of this product. Follow directions in the owners manual for calibrating your spreader. The settings indicated in the following table should only be used as a guide in calibrating your spreader.

SPREADER SETTINGS				
To Apply the recommended amounts of a.i./acre which are as follows = 0.65 lb. 0.75 lb. 1.0 lb. 1.50 lb.				
50 lbs. treats sq. ft =	13,405	11,628	8,711	5,807
Spreader Settings				
Scott's Evergreen 18"	# XX	# XX	# XX	# XX
Scott's Speedy Brdcast	# XX	# XX	# XX	# XX
Red Devil Broadcast	# XX	# XX	# XX	# XX
Republic ez Drop 18"	# XX	# XX	# XX	# XX
Republic ez Broadcast	# XX	# XX	# XX	# XX
Republic ez Trctr. "	# XX	# XX	# XX	# XX

LANDSCAPE ORNAMENTALS INCLUDING ESTABLISHED WILD FLOWER PLANTINGS

This product may be applied for residual preemergence weed control in Ornamentals as listed.

Use Rates

Apply at 162 to 375 lbs. per acre (3.72 lbs. to 8.61 lbs. per 1,000 sq.ft.) of landscape plants, in fall and/or spring. Use the higher rates of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 375 lbs. of this product per acre.

Application Timing and Information

Apply uniformly to the surface of the soil in ornamental planting beds with a granular applicator. Calibrate your applicator to assure appropriate dosage as described above under "Use Rates", prior to application. Calibrate your applicator as described in the owners manual. The bulk density of this product may vary; therefore, to assure that the product is applied at the rates described, you must use a calibrated applicator. This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1 to 2 inches) mechanical incorporation, prior to weed seed germination and within 14 days following application. Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate postemergence herbicide.

Established Landscape Ornamentals

This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate this product in the soil.

Newly Transplanted Landscape Ornamentals

This product may be applied to newly transplanted ornamentals as a broadcast, over the top, or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grfts have taken to avoid any inhibition of the tissue union. Irrigate after application as above directed.

Tolerant Ornamental Species

This product will not harm most trees, shrubs, vines and flowers. The species listed here are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species. When plants are under stress (such as heat, drought, or frost damage) some cultivars of listed plants may be sensitive to this product.

For Use Around landscape ornamentals

, Including established perennials and wildflowers, as listed.

Scientific Name	Common Name
<i>Abies</i> spp.	Fir species** (Balsam, Fraser, Noble, etc.)
<i>Abelia grandiflora</i>	Abelia; Sherwood
<i>Acer palmatum</i>	Japanese Maple
<i>A. pictanoides</i>	Norway Maple
<i>Achillea</i> sp.	Yarrow; King Edward
<i>Actinidia chinensis*</i>	Kiwi*
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> sp.	Aquilegia; Red and Gold
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Artemisia</i> sp.	Wormwood; Silver Mound, Castle
<i>Aster</i> sp.	Aster; Bonny Blue, Purple Dome
<i>Aster X Frikartii</i>	
<i>Athnum Filix-femina</i>	Lady Fern; Fern Lady
<i>Aucuba japonica</i>	Japanese Aucuba
<i>Begonia</i> sp.	Fibrous Begonia; Hart's; Grandis Barberr
<i>Berberis gladiwynensis</i>	Wintergreen
<i>B. julianae</i>	Barberry
<i>B. mentorensis</i>	Mentor Barberry
<i>B. thunbergii</i>	Japanese Barberry
<i>B. verruculosa</i>	Warty Barberry
<i>Berberia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Buddleia davidii</i>	Butterfly-Bush (Dwarf Blue); Royal Red
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Warning Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Campanula carpatica</i>	Trumpet Creeper, Trumpet Flower,
<i>Campis X Tagliabuana</i>	Madam Galen
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisoides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Ceratostigma</i>	
<i>plumbagonoides</i>	
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Chrysanthemum nipponicum</i>	
<i>Cleyera japonica</i>	Cleyera
<i>Citrus</i> spp.	Citrus species*
<i>Coreopsis</i> sp.	Coreopsis (Calliopsis); Early Sunrise, Moonbeam

J. R. Simplot Co. Inc. P.O. Box 198 LATHROP, CA 9533U - U.S.A.

Turf Fertilizer with 0.40 % Barricade®

Landscape Ornamentals, established perennials and wildflowers, continued.

Back of Bag

Table with 4 columns: Scientific Name, Common Name, Scientific Name, Common Name. Lists various plants like Cornus florida, Ficus religiosa, etc.

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. If product is spilled, sweep up and use as per label instructions or dispose of as indicated above.

CONDITIONS OF SALE AND WARRANTY Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties, and Limitations of Liability. CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of J. R. Simplot Co., Inc. All such risks shall be assumed by the user or buyer. Disclaimer of Warranties: There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of J. R. Simplot Co., Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. J. R. Simplot Co., Inc. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product. LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at J. R. Simplot Co., Inc. option, the replacement of the product.