

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Ms. Kresti A. Lyddon Director of Regulatory Affairs Howard Johnson's Enterprises, Inc. 700 W. Virginia St., Suite 222 Milwaukee, WI 53204-1548

15 2002

Dear Ms. Lyddon:

Subject:

Crabgrass Preventer Plus with .58 Barricade®

Preemergence Herbicide

EPA registration No. 32802-67

Application and Letter Received December 12, 2001, Request To Amend Registration by Revising the First Aid Statements and the Disposal Statements on the Labeling in Compliance with PR Notices 2001-1 and

2001-6

The proposed subject amendments to the registration of "Crabgrass Preventer Plus with .58 Barricade® Preemergence Herbicide" have been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act, (FIFRA) as amended, provided that you:

- 1. With any of the alternate wording for warranty statements you must add the commonly used language: "Read the entire "Directions for Use" and "Warranty Statements" before using this product. If terms are not acceptable, return the unopened product container at once to the seller." (You may specify a reasonable time limitation, if "at once" is not preferred.). The above requirement is to assure that you have complied with UCC Articles (Sections 2-719 and 2-316) that apply to the claims for limitation of remedy in the warranty statements.
- 2. Submit one (1) copy of your final printed labeling prior to your shipment of the subject pesticide product under the enclosed stamped label.

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 proposed label is enclosed for your records.

Please note that the amendments allowed do not involve exclusive use data, therefore a letter of authorization was not required.

Sincerely yours,

ر آر

oanné I. Miller

Product Manager (23) Herbicide Branch

Registration Division (7505C)

Enclosure

EPA Reg. No. 32802-67

EPA Est. No. 32802-WI-1 (A), 32802-MO-1 (B)

First letter of bag code shows establishment where manufactured. See tag attached to bag for fertilizer guaranteed analysis. Manufactured by:

HOWARD JOHNSON'S ENTERPRISES, INC. 700 W. Virginia Street, Milwaukee, WI 53204-1548 BARRICADE® is a registered trademark of Syngenta Crop Protection

KEEP OUT OF REACH OF CHILDREN **CAUTION:** See back panel for further precautions

and First Aid information.

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 peated skin contact with product may cause allergic actions in some individuals.

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.

First Aid				
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. 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 15-20 minutes. Call a poison control center or doctor for treatment advice. 			
If swallowed	 Call a poison control center or physician immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or physician. Do not give anything by mouth to an unconscious person. 			
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 further treatment advice. Hot line number:			

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

putting greens), landscape ornamentals and established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seeds germination and root development. When used according to directions, it will control: barnyardgrass; bluegrass, annual (Poa annua); carpetweed; chickweed, common; chickweed, mouseear (from seed); crabgrass (large, smooth); crowfootgrass; cupgrass, woolly; foxtails, annual; goosegrass1; henbit; itchgrass; johnsongrass (from seed); junglerice; knotweed; kochia; lambsquarter, common; lovegrass; panicum (Texas, fall, browntop); pigweed; purslane, common; pusley, Florida; rescuegrass3; shepherd's purse2; signalgrass, broadleaf; speedwell, Persian; sprangletop; spurge, prostrate; witchgrass; woodsorrel, yellow (from seed).

1 In many areas a single application of 2.5 to 6 pounds/1000 square feet (112 to 259 pounds/acre) will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained with an initial application of 2.5 to 3.9 pounds / 1000 square feet (112 to 173 pounds/acre), followed after 60 to 90 days by a second application at doses that would not exceed the maximum annual rate (see "Minimum and Maximum Application Rate by Turfgrass Species" table in the Rates of Application section of this label).

² For this weed, apply in late summer, fall or winter prior to germination.

WHEN TO APPLY TO ESTABLISHED TURF: This product must be applied prior to germination of weed seeds, as it will not control established weeds.



APPLICATION DIRECTIONS: Apply this product uniformly, using a suitable spreader that has been properly calibrated. Most effective weed control will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1-2 inches) incorporation, prior to weed seed germination and within 14 days after application.

USE PRECAUTIONS: The following precautions apply to the use of this product in turf grasses and lawns. Application of this product may thin emerged annual bluegrass and newly overseeded grasses. 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). Do not apply to newly set sod until the following year. Application to turf stressed by drought, low fertility, or pest damage may result in turf injury. Disturbing the herbicide barrier with cultural practices (such as core aeration) may result in reduced weed control. Do not apply to putting greens, or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species. Do not apply through any type of irrigation system. Do not apply aerially. Do not graze or feed livestock forage cut from treated areas.

> ACCEPTED with COMMENTS In EPA Letter Dated

> > JAN 15 2002

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the posticide registered under EPA Reg. No. 32*802-*67

(Label for EPA Reg. No 32802-67, **PAGE 1 OF 3**)

RATES OF APPLICATION: This product is recommended for use on the turf grass species listed in the following table. The maximum amount of this product that may be applied per year is given for each turf grass species. Do not exceed the maximum yearly rate listed:

APPLICATION RA	TES (by Turf Grass Species)
Minimum Rate	Maximum Annual Rate
4 lbs / 1000 sq ft	6 lbs / 1000 sq ft per year
(175 lbs / acre)	(259 lbs / acre per year)
2 lbs / 1000 sq ft	4 lbs / 1000 sq ft per year
(87.5 lbs / acre)	(173 lbs / acre per year)
1.5 lbs / 1000 sq ft	2.9 lbs / 1000 sq ft per year
(65.3 lbs / acre)	(130 lbs / acre per year)
1.5 lbs / 1000 sq ft	2.5 lbs / 1000 sq ft per year
(65.3 lbs / acre)	(112 lbs / acre per year)
	Minimum Rate 4 lbs / 1000 sq ft (175 lbs / acre) 2 lbs / 1000 sq ft (87.5 lbs / acre) 1.5 lbs / 1000 sq ft (65.3 lbs / acre) 1.5 lbs / 1000 sq ft

'These are the maximum rates per calendar year.
'May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 2 pounds/1000 square feet (87.5 pounds/acre). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of foxtall, goosegrass and rescuegrass due to reduced rates used in sprigging situations.

This product may be applied as a single application or in uential applications to control weeds germinating throughout the year. Sequential applications 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. The length of time of residual weed control provided by this product is related to the rate applied. Use the higher rates listed for longer periods of weed control.

WHEN TO OVERSEED AFTER APPLICATION: This product will inhibit germination of turf seed if overseeded too soon after Follow rates and intervals in table for best application. overseeding/ reseeding results.

USE RATE	MONTHS BEFORE OVERSEEDING		
L	North	Transition	South
1.9 pounds / 1000 sq ft (86 pounds / acre)	4	4	4
2.5 pounds / 1000 sq ft (112 pounds / acre)	5	4	4
2.9 pounds / 1000 sq ft (130 pounds / acre)	6	5	5
3.16 pounds / 1000 sq ft (138 pounds / acre)		6	6
4 pounds / 1000 sq ft (173 pounds / acre)		7	7
4.5 pounds / 1000 sq ft (197 pounds / acre)			9
4 pounds / 1000 sq ft (224 pounds / acre)			10
.4 pounds / 1000 sq ft (259 pounds / acre)	<u> </u>		12

LANDSCAPE ORNAMENTALS (including established perennials and wildflower plantings): This product may be applied for residual preemergence weed control in ornamentals. Apply at the rate of 2.5 to 5.94 pounds/1000 square feet (112 to 259 pounds/acre) in fall and/or spring. Use 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 5.94 pounds/1000 square feet (259 pounds/acre) per year.

SPREADE	R SETTIN	IGS to ap	ply at the list	ed pounds p	er 1000 squ	uare feet
] 1.9 lbs]	2.5 lbs	3.16 lbs	4 lbs	5 lbs	6 lbs
Spreader A	Х	X	Х	Х	X	Х
(May contain a	1 1		.	. I	. 1	

instructions as appropriate for the product)

APPLICATION TIMING AND INFORMATION: This product may be applied to newly transplanted and established ornamentals a broadcast, over the top or directed application. Around new transplants, delay application to allow soil to settle and water thoroughly before applying. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue 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 inch of rainfall or irrigation, or with shallow (1 to 2 inch) mechanical incorporation, prior to weed seed germination and within 14 days following application. Best weed control is obtained when applied to soil free of clods, weeds and debris such as leaves. Prior to application, control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence herbicide.

TOLERANT ORNAMENTAL SPECIES: This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when 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.

NET WEIGHT: 16 lbs (or 18, 20, 25, 30, 36, 40, 50 or 60 lbs)

r	SCIENTIFIC NAME	COMMON NAME	ĺ
3	Abies spp	.Fir species** (Balsam, Frasier, Noble, etc.)
r	Abelia grandiflora		
	A	1 N41-	

Acer palmatumJapanese Maple A. platanoides Norway Maple

Agapanthus africanus Lily-of-the-Nile (African Llly)

Agapanthus orientalis Akebia quintata Five-Leaf or Chocolate Vine

Arctotheca calendulaCape Weed
Artemesia spp.Wormwood; Silver Mound, Castle

Athrium Filiz-femina Lady Fern; Fern Lady

B. ThunbergiiJapanese Barberry B. verruculosa Warty Barberry

Bergenia cordifolia Boltonia asteroides Snowbank

Boltonia asteroides ... Snowbank
Buddleia davidii ... Butterfly-Bush (Dwarf Blue); Royal Red
Buxus microphylla ... Japanese Boxwood
Callistemon viminalis ... Weeping Bottlebrush
Calluna vulgaris ... Scotch Heather
Campanula carpatica ... Tussock Beliflower, (White Clips)
Campis X Tagliabuana ... Trumpet Flower, Madame Galen
Carpobrotus edulis ... Hottentot Fig (Ice Plant)
Cassia artemisoides ... Feathery Cassia
Ceanothus rigidus ... Wild Lilac

. .Wild Lilac Ceanothus rigidus

Ceratostigma plumbagonoides Chamaecyparis pisifera False Cypress Cleyera japonica Cleyera

C. stolonifera American Dogwood Cortaderia selloana Pampas Grass Cotoneaster apiculatus Cranberry Cotoneaster C. buxifoliusCotoneaster

C. dammeriBearberry Cotoneaster C. microphyllus Rockspray Cotoneaster

Crocosmia spp. Lucifer

Delphinium spp. ... Larkspur: Blue Elf
Dianthus deltoides ... Dianthus; Maiden Pinks "Zing"

D. gratianopolitanus Cheddar Pink

D. gratianopolitanus ... Cheddar Pink
Dodonea viscosa ... Hop Bush
Echinacea purpurea ... Coneflower, Purple; Magnus
Elaeagnus pungens ... Silverberry
Euonymus fortunei ... Wintercreeper
E. japonica ... Evergreen Euonymus E. kiautschovica Spreading Euonymus Fatsia japonica Japanese Aralia Forsythia intermedia Border Forsythia Forsythia suspensa Weeping Forsythia

Gaillardia spp.Gaillardia, Blanket Flower: "Goblin"

Gardenia jasminoides Gardenia, Cape-Jasmine

Gaura spp.
Gentiana dahuricaGentian

Hydrangea macrophyllaBigleaf Hydrangea

Inula ensifolia

Iris ensata Sword-Leaved Iris; Jodlesong

Juniperus chinensis Chinese Juniper; Nick's Compact, Parsonnii

J. confertaShore Juniper; Blue PacificParsoni J. davurica

Lantana montevidensis Weeping Lantana Lavender spp. Lavender; Munstead Leonopodium alpinum Edelweiss Ligustrum amurense Amur Privet Ligustrum sinense Chinese Privet; Variegata Liriope muscarl var. variegata Liriope, Variegated
Liriope spicataLiriope, Creeping
Lobelia CardinalisCardinal Flower, Indian Pink Lonicera japonicaJapanese Honeysuckle
L. tataricaTatarlan Honeysuckle
Lorapetalum chinenseBurgundy Narcissus spp. ... Narcissus species**
Nerium oleander ... Oleander Olea europaeaOlive ' ,dendrum arboreum Sourwood Paeonia suffruticosa Tree Peony Pennisetum setaceumi Fountain Grass (Dwarf) Perovskla atriplicifolia Persea americana Avocado* Photinia Fraseri ... Frasier's Photinia (Redtip)
Physotegia Virginiana ... Dragonhead, False; Vivid P. sylvestris Scotch Pine P. taeda Loblolly Pine P. Thunbergiana Japanese Black Pine sporum rhombifolium . . .Queensland PittosporumJapanese Pittosporum P. tobira ... P. tobiraJapanese Pitto Podocarpus macrophyllus ...Japanese Yew Prunus laurocerasusEnglish Laurel .Almond, Apricot, Nectarine, Peach, Plum and Prune* .Douglas Fir** Pseudotsuga menziesii Pyrus spp. Bradford Pear spp Quercus Shumardii Oak, Shumard's Red Rosa banksiae Lady Bank's Rose
Rosmarinus officinalis Rosemary*
Rudbeckia spp. Black-Eyed Susan; Goldsturm
Santolina virens Santolina Sedum albumStonecrop
Sedum cauticolaStonecrop; Lidakense Syzygium paniculatumAustralian Brushcherry Taxus cuspidataJapanese Yew T. mediaYew Teucrium sppGermander Thalictrum diptercarpumMeadow Rue Thuja occidentalis American Arborvitae
Trachelospermum asiatum . . Star Jasmine Tulipa spp. Tulip species Veronica spp. Veronica, Speedwell; Sunny Border Viburnum japonicum Japanese Viburnum

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. STORAGE: Store in original container in a locked storage area out of reach of children and domestic animals.

<u>PESTICIDE DISPOSAL</u>: 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.

(Alternate wording for household use:)

IF EMPTY: Do not reuse this container. Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call your local solid waste agency for disposal instructions. Never place any unused product down any indoor or outdoor drain or toilet.

GUARANTEE: This product is unconditionally guaranteed.

(Alternate wording for warranty statement:)

GREEN GUARANTEED: Your satisfaction is guaranteed when this product is used in accordance with instructions. If product performance is less than satisfactory, seller will refund the full purchase price with evidence of purchase.

(Alternate wording for warranty statement:)

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

(Alternate wording for warranty statement:)

WARRANTY AND DISCLAIMER: Manufacturer/seller warrants that this product conforms to the ingredient statement on the label, and that the product is reasonably suited for the labeled use when applied according to directions. Buyer and user assumes all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

(Alternate wording for warranty statement:)

WARRANTY AND DISCLAIMER: Manufacturer/seller warrants that this product conforms to the ingredient statement on the label, and that the product is reasonably suited for the labeled use when applied according to directions. No other warranty, expressed or implied, is made concerning the merchantability or fitness for a particular purpose. Manufacturer/seller's liability shall be limited to the purchase price of the product. In no case shall manufacturer/seller be liable for consequential or incidental damages or loss. Buyer and user assumes all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

(Alternate wording for warranty statement:)

WARRANTY AND DISCLAIMER: Manufacturer/seller warrants that this product conforms to the ingredient statement on the label, and that the product is reasonably suited for the labeled use when applied according to directions. No other warranty, expressed or implied, is made concerning the merchantability or fitness for a particular purpose. Manufacturer/seller's liability shall be limited to the purchase price of the product. In no case shall manufacturer/seller be liable for consequential or incidental damages or loss. Buyer and user assumes all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label. Products not accepted under these terms should be returned within 20 days in the original, unopened container for return of purchase price.

(Optional wording required by some states in order to effect fertilizer registration:)

When soil testing or professional advice indicates the need for additional plant nutrients, make additional applications of fertilizer products over the growing season.

(Optional wording for use with fertilizer inert ingredients that cause staining:)

This product may stain driveways, walks, patios, pools, etc. Wash or sweep off thoroughly immediately after each use.

(Optional marketing statements:)

STOPS MANY UGLY WEED GRASSES BEFORE THEY **GROW**

. .Adam's Needle, Yucca *Do not use on food producing trees, vines or plants.
**Not for use on container grown plants.

V. wrightii ... Leatherleaf Viburnum
Vinca major ... Greater Periwinkle, Vinca
Vinca minor ... Common Periwinkle, Vinca

V. odoratissimumSweet Viburnum

V. plicatumJapanese Snowball
V. rigidumCanary Island Viburnum

V. suspensum Arrowood Viburnum

(Label for EPA Reg. No 32802-67, PAGE 3 OF 3)