



Howard Johnson's

# CRABGRASS CONTROL PLUS WITH 0.20% BARRICADE®

FOR SELECTIVE PREEMERGENCE CONTROL OF GRASS & BROADLEAF WEEDS IN LAWNS AND ESTABLISHED TURF GRASSES (excluding golf course putting greens) AND LANDSCAPE ORNAMENTALS (including established perennials & wildflower plantings)

ACTIVE INGREDIENT: Proflumicarb [N,N'-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] ..... 0.20% OTHER INGREDIENTS: ..... 99.80% TOTAL: ..... 100.00%

EPA Reg. No. 32802-65 EPA Est. No. 59144, GA-1 (A), 32802-MO-1 (B), 37351-CO-1 (C), 8378-IN-1 (D), 9404-FL-1 (E)

First letter of bag code shows establishment where manufactured. BARRICADE® is a registered trademark of Syngenta Crop Protection, Inc.

Manufactured for: Howard Johnson's Enterprises, Inc. 9675 S 60th Street, Franklin, WI 53132

Agricultural Chemical: Do not ship or store with food, feed, drugs or clothing.

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.

## KEEP OUT OF REACH OF CHILDREN CAUTION 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 repeated skin contact with product may cause allergic reactions 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.

Table with 2 columns: Situation (e.g., If in eyes, In on skin, If swallowed, If inhaled) and First Aid instructions.

### GUARANTEED ANALYSIS

19-03-05

Total Nitrogen (N) 19%

1.17% Ammoniacal Nitrogen

17.83% Urea Nitrogen

Available Phosphate (P2O5) 3%

Soluble Potash (K2O) 5%

Derived From: Ammonium Phosphate, Muriate of Potash, Urea

Chlorine (Cl), not more than 6.00%

F315

Bulk Density 63 Item Number FGP41516

Net Weight 50 lbs ( 22.68 kg)

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds. This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in established lawns and ornamental turf (excluding golf course 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; goosegrass; henbit; itchgrass; johnsongrass (from seed); junglerice; knotweed; kochia; lambsquarter, common; lovegrass; panicum (Texas, fall, browntop); pigweed; purslane, common; pusley, Florida; rescuegrass; shepherd's purse; signalgrass; broadleaf, speedwell, Persian; sprangletop; spurge, prostrate; witchgrass; woodsorrel, yellow (from seed).

In many areas where not prohibited by fertilizer user restrictions \*\* a single application of 7.6 to 17.2 pounds / 1000 square feet 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 7.6 to 11.5 pounds / 1000 square feet, to areas not prohibited by fertilizer use restrictions, 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 table).

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

Consult your State Cooperative Extension Service for current information on annual application limitations for lawn fertilizers in your region.

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

Table with 6 columns: Spreader setting, Cone setting, 4 lbs, 7.6 lbs, 8.5 lbs, 11.5 lbs, 17.2 lbs. Rows include Accu-Pro 2000, SR2000, Lesco 021820, Spyker 76-22, PSB Bigfoot, Lely HR, Vicon 203.

Table with 3 columns: Turf Species, Minimum Rate, Maximum Annual Rate. Rows include Bahiagrass, Bermudagrass, Seashore Paspalum, Tall Fescue, Buffalograss, Kentucky Bluegrass, Perennial Ryegrass, Creeping Red Fescue, Creeping Bentgrass.

These are the maximum rates per calendar year. May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 6 lbs / 1000 square feet. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of foxtail, goosegrass and rescuegrass due to reduced rates used in sprigging situations.

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/grfts have taken to avoid any inhibition of the tissue union. 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.

Table with 3 columns: Use Rate (lbs / 1000 sq ft), Months Before Overseeding (North, Transition, South). Rows include 4 lbs, 7.6 lbs, 8.5 lbs, 9.2 lbs, 11.5 lbs, 13 lbs, 14.9 lbs, 17.2 lbs.

NOTICE: This product contains chemicals known to the State of California to cause cancer and birth defects and other reproductive harm.

Table with 2 columns: SCIENTIFIC NAME, COMMON NAME. Lists various plants and their common names.

Apply only to actively growing turf. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn/garden, and sweep any product that lands in the driveway, sidewalk, or street back onto your lawn/garden. Check with local Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with your county or city government to determine if there are local restrictions on fertilizer use or application. APPLICATION LIMITS: Certain states have limits on application rates and timing. Consult your local State Cooperative Extension Service for current information on application limits for turf/lawn fertilizers in your area.

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:

This product may be applied as a single application or in sequential 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 application. Follow rates and intervals in table for best overseeding/ reseeded results.

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 7.6 to 17.2 lbs / 1000 square feet 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 17.2 lbs / 1000 square feet per year.

APPLICATION TIMING AND INFORMATION: This product may be applied to newly transplanted and established ornamentals a broadcast, applied to settle and water thoroughly before applying. Apply after cuttings form roots and become established. Apply before buds/grfts have taken to avoid any inhibition of the tissue union. 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.

NOTICE: This product contains chemicals known to the State of California to cause cancer and birth defects and other reproductive harm.

Table with 2 columns: SCIENTIFIC NAME, COMMON NAME. Lists various plants and their common names.

### STORAGE AND DISPOSAL: Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in a locked storage area out of reach of children and domestic animals. 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. Nonrefillable container: Do not reuse or refill this container. Offer for recycling, if available. If not available 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.

WARRENTY: The directions for use of this product are believed to be adequate and must be followed carefully, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Howard Johnson's Enterprises, Inc. The manufacturer, or the seller, is not liable for damages resulting from the use of this product. To the extent consistent with applicable law, the products sold to you are furnished "as is" by Howard Johnson's Enterprises, Inc. The manufacturer and the seller are subject to the manufacturer's warranties, if any, which appear on the label of the product sold to you. Except as warranted by this label Howard Johnson's Enterprises, Inc. the manufacturer, or the seller makes no warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Howard Johnson's Enterprises, Inc. the manufacturer's or the seller's total liability shall be limited to damages not exceeding the cost of the product. No agent or employee of Howard Johnson's Enterprises, Inc. or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product. To the extent consistent with applicable law, Howard Johnson's Enterprises, Inc. the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages.