



CRABGRASS CONTROL PLUS WITH 0.29% BARRICADE®

FOR SELECTIVE PREEMERGENCE CONTROL OF GRASS AND BROADLEAF WEEDS IN LAWNS AND ORNAMENTAL TURF (excluding golf course putting greens), LANDSCAPE ORNAMENTALS, ESTABLISHED PERENNIALS & WILDFLOWER PLANTINGS. STOPS MANY WEED GRASSES BEFORE THEY GROW. PREVENTS CRABGRASS, ANNUAL BLUEGRASS, FOXTAIL & MORE.

ACTIVE INGREDIENT:
 Proflamime: (CAS 29091-21-2) 0.29%
 OTHER INGREDIENTS: 99.71%
 TOTAL: 100.00%

EPA Reg. No. 32802-70
 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 53122

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.

For Chemical Spill, Leak, Fire or Exposure, Call CHEMTREC (800) 424-9300.

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.

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 a 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.

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.

GUARANTEED ANALYSIS

19-00-05	
Total Nitrogen (N)	19%
19.00% Urea Nitrogen	
Soluble Potash (K ₂ O)	5%
Derived From: MURIATE OF POTASH, UREA	
Chlorine (Cl), not more than	6.00%
Net Weight	Item Number
50 lbs (22.68 kg)	100525446

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 seed 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, annual); crowfootgrass; chickweed, woolly; foxtails, annual; goosegrass; henbit; itchgrass; johnsongrass (from seed); juncelike; knotweed; Kochia; lambsquarters, common; lovegrass; panicum (Texas, fall, bromoid); pigweed; purslane, common; pusley, Florida; rescueseed; shepherd's purse; signalgrass; broadleaf; speedwell, Persian; sprangletop; spurge, prostrate; witchgrass; woodsoerel, yellow (from seed).

¹ In many areas where not prohibited by fertilizer use restrictions** a single application of 5.2 to 10.6 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 5.2 to 7.9 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).

² For this weed, apply in late summer, fall or winter prior to germination.
³ Suppression only.

WHEN TO APPLY TO ESTABLISHED TURF: This product must be applied prior to germination of weed seed, 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.

Spreader setting to apply at the listed rate (lbs per 1000 sq ft)	Cone setting		5.2 lbs		6 lbs		7.9 lbs		10.6 lbs	
	6	L 1/2	N 1/2	O 1/2	Q	S	Q	S	Q	S
Accu-Pro 2000	6	L 1/2	N 1/2	O 1/2	Q	S	Q	S	Q	S
SR2000	6	L 1/2	O 1/2	P	Q 1/2	S 1/2				
Lesco 021820	0.25	Closed	D 1/2	F 1/2	G 1/2	H 1/2	K 1/2			
Spyker 76-22			4.3	4.7	4.3	5.3	6.1			
PSB Bigfoot		A,5	J 1/2	L 1/2	M	N	P			
LYB HR		I1-B	5.25	6.5	7	8	10			
Vicon 203			15	19	21	25	33			

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. 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 and sweep any product that lands on the driveway, sidewalk or street back onto your lawn.

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 and sweep any product that lands on the driveway, sidewalk or street back onto your lawn. Check with your 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.

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:
¹ These are the maximum rates per calendar year.
² May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 4.1 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.
 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/returfing 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 5.2 to 10.6 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 10.6 lbs / 1000 square feet per year.

APPLICATION TIMING AND INFORMATION: This product may be applied to newly transplanted and established ornamentals as 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 from roots and become established. Apply before budding/grating or after buds/grafs 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.

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
Abies spp.	Fir species** (Balsam, etc.)	Gardenia jasminoides	Gardenia, Cape-Jasmine	Pithecolobium rhombifolium	Queenland Pittosporum
Acer palmatum	Japanese Maple	English Ivy	English Ivy	P. tobira	Japanese Pittosporum
A. platanoides	Norway Maple	Chinese Hibiscus	Chinese Hibiscus	Podocarpus macrophyllus	Japanese Yew
Adiantum chinensis	Chinese Holly	Kew Holly	Kew Holly	Prunus laurocerasus	English Laurel
Agapanthus africanus	Lily-of-the-Nile (African Lily)	I. crenata	Japanese Holly	Prunus sp.	Almond, Apricot, Nectarine
Arcostaphylos densiflora	Vine Hill Manzanita	I. opaca	American Holly	Pyraeantha coccinea	Peach, Plum and Prune*
Arctostaphylos californica	Cape Verde	Its spp.	Its species**	P. fortuneana	Firethorn (Scarlet)
Aucuba japonica	Japanese Aucuba	Jasminum nudiflorum	Winter Jasmine	P. fortuneana	Firethorn
Berberis gladywenensis	Berberis	Juniperus chinensis	Chinese Juniper	P. koizumii	Bradford Pear sp.
B. juliflora	Wintergreen Berberry	Shore Juniper	Shore Juniper	Quercus sp.	Oak species
B. mentorensis	Mentor Berberry	J. horizontalis	Horizontal Juniper	Quercus spp. indica	Indian Hawthorne
B. thunbergii	Japanese Berberry	Juglans sp.	Walnut*	Raphiolepis sp.	Rhododendron
Buxus microphylla	Japanese Boxwood	J. nigra	Black Walnut	Rhododendron	(including Azalea)
Callistemon viminalis	Weeping Bottlebrush	J. regia	English Walnut	Rhododendron	(including Azalea)
Calluna vulgaris	Scotch Heather	Ligustrum amurense	Amur Privet	Rosa banksiana	Rosa banksiana
Chamaecyparis platifera	False Cypress	Lonicera japonica	Japanese Honeysuckle	R. glauca	Rosemary
Cleome japonica	Cleome	L. lucidum	L. lucidum	R. rugosa	Rosemary
Citrus spp.	Citrus species*	L. maritima	L. maritima	Santolina viridis	Santolina
Cornus florida	Flowering Dogwood	L. obovata	L. obovata	Sedum album	Japanese Bushcreeper
C. stolonifera	Japanese Dogwood	L. ucydonia	L. ucydonia	Syzygium paniculatum	Japanese Yew
Coradietalia selicana	Pampas Grass	L. vitifera	L. vitifera	Taxus cuspidata	Yew
Cotoneaster apiculatus	Cranberry Cotoneaster	L. yunnanensis	L. yunnanensis	T. media	American Arborvitae
C. buxifolius	Cotoneaster	Melia azadirachta	Neem	Thuja occidentalis	Star Jasmine
C. rotundifolius	Cotoneaster	Morus nigra	Morus nigra	Trachelospermum asiaticum	Carolina Honeysuckle
C. microphyllus	Cotoneaster	Morus rubra	Morus rubra	Viburnum japonicum	Japanese Viburnum
Crelandia spp.	Hawthorn	Morus nigra	Morus nigra	V. odense	Viburnum
Cyperus tenuiflorus	Scythe Grass	Morus rubra	Morus rubra	V. plicatum	Japanese Snowball
Delosperma alba	White Trailing Ice Plant	Morus nigra	Morus nigra	V. rigitum	Canary Island Viburnum
Delphinium spp.	Larkspur, Blue Elf	Morus nigra	Morus nigra	V. tinis	Laurestinus
Desmodium illinoense	Black Siskin	Morus nigra	Morus nigra	V. trilobum	Cranberry Bush
Elaeagnus pungens	Silverberry	Morus nigra	Morus nigra	V. vitifolium	Leafhopper Viburnum
Eunymium fortunei	Wintercreeper	Morus nigra	Morus nigra	V. wrightii	Sweet Viburnum
E. japonicum	Wintercreeper	Morus nigra	Morus nigra	V. wrightii	Common Periwinkle, Vinca
E. kiuschoviana	Spreading Eunymium	Morus nigra	Morus nigra	V. wrightii	Common Periwinkle, Vinca
Fatsia japonica	Japanese Aralia	Morus nigra	Morus nigra	V. wrightii	Common Periwinkle, Vinca
Forsythia intermedia	Japanese Forsythia	Morus nigra	Morus nigra	V. wrightii	Common Periwinkle, Vinca
F. viridissima	Greenstem Forsythia	Morus nigra	Morus nigra	V. wrightii	Common Periwinkle, Vinca

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.

Warranty
 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 and the seller are subject only to the manufacturer's warranties, if any, which appear on the label of the product. Howard Johnson's Enterprises, Inc. 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 user 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. or the seller'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 that on or inconsistent with the label of this product. To the extent consistent with applicable law, Howard Johnson's Enterprises, Inc. 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.