



Howard Johnson's

CRABGRASS CONTROL PLUS WITH 0.58% BARRICADE®

FOR SELECTIVE PREEMERGENCE CONTROL OF GRASS & 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:

Prodiamine: (CAS 29091-21-2) 0.58%

INERT INGREDIENTS: 99.42%

TOTAL: 100.00%

EPA Reg. No. 32802-67

EPA Est. No. 32802-MO-1 (B)

First letter of bag code shows establishment where manufactured.

BARRICADE® is a registered trademark of Syngenta Crop Protection, Inc.

Manufactured by:

Howard Johnson's Enterprises, Inc.

700 W. Virginia St., Milwaukee, WI 53204

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.

First Aid	
If in eyes	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.

GUARANTEED ANALYSIS

Spreader setting to apply at the listed rate (lbs per 1000 sq ft)	Cone setting					
	1.9 lbs	2.5 lbs	3.16 lbs	4.5 lbs	6 lbs	
Accu-Pro 2000	6	K 1/2	L 1/2	L 1/2	N 1/2	O 1/2
SR2000	6	K 1/2	L 1/2	L 1/2	O 1/2	P
Lesco 021820	0.25 Closed	C 1/2	D 1/2	D 1/2	F 1/2	G 1/2
Spyker 76-22		4.1	4.3	4.3	4.7	4.9
PSB Bigfoot	A.5	J	J 1/2	J 1/2	L 1/2	M
Lely HR	II-B	4.75	5.25	5.25	6.5	7
Vicon 203		13	15	15	19	21

Minimum and Maximum Application Rates (by Turf Grass Species)¹

Turf Species	Minimum Rate	Maximum Annual Rate
Bahiagrass, Centipedegrass Bermudagrass ² , Zoysiagrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type)	4 pounds per 1000 sq. ft.	6 pounds per 1000 sq. ft. per year
Buffalograss Kentucky Bluegrass Perennial Ryegrass	2 pounds per 1000 sq. ft.	4 pounds per 1000 sq. ft. per year
Creeping Red Fescue	1.5 pounds per 1000 sq. ft.	2.9 pounds per 1000 sq. ft. per year
Creeping Bentgrass	1.5 pounds per 1000 sq. ft.	2.5 pounds per 1000 sq. ft. per year

¹ These are the maximum rates per calendar year.

² May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 2 lbs / 1000 square feet. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of foxtail, goosegrass and

Use Rate lbs / 1000 sq ft	Months Before Overseeding		
	North	Transition	South
1.9 lbs	4	4	4
2.5 lbs	5	4	4
2.9 lbs	6	5	5
3.16 lbs	---	6	6
4 lbs	---	7	7
4.5 lbs	---	---	9
5.14 lbs	---	---	10
5.94 lbs	---	---	12

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 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.)	Hedera helix	English Ivy	P. tobira	Japanese Pittosporum
Acer palmatum	Japanese Maple	Hibiscus rosa-sinensis	Chinese Hibiscus	Podocarpus macrophyllus	Japanese Yew
A. platanoides	Norway Maple	Ilex cornuta	Chinese Holly	Prunus laurocerasus	English Laurel
Actinidia chinensis	Kiwi ¹	I. crenata	Japanese Holly	Prunus sp.	Almond, Apricot, Nectarine Peach, Plum and Prune ²
Agapanthus africanus	Lily-of-the-Nile (African Lily)	I. opaca	American Holly	Pyracantha coccinea	Firethorn (Scarlet)
Arctostaphylos densiflora	Vine Hill Manzanita	Iris spp.	Iris species**	P. fortuneana	Firethorn
Arctotheca calendula	Cape Weed	Jasminium nudiflorum	Winter Jasmine	P. koidzumii	Firethorn
Aucuba japonica	Japanese Aucuba	Juniperus chinensis	Chinese Juniper	Pyrus sp.	Bradford Pear sp.
Berberis gladywomensis	Barberry	J. conferta	Shore Juniper	Quercus spp.	Oak species
B. julianae	Wintergreen Barberry	J. horizontalis	Creeping Juniper	Raphiolepis indica	Indian Hawthorne
B. mentorensis	Mentor Barberry	Juglans sp.	Walnut ³	Rhododendron (including Azalea)	'Coral Bells' 'Formosa,' 'Hino-crimson,' 'PJM,' 'Rossum Elegans'
B. thunbergii	Japanese Barberry	Justicia brandegeana	Shrimp Plant	Rosa banksiae	Lady Bank's Rose
Buxus microphylla	Japanese Boxwood	Lagerstromia indica	Crepe Myrtle	Rosmarinus officinalis	Rosemary
Callistemon viminalis	Weeping Bottlebrush	Ligustrum amurense	Amur Privet	Santolina virens	Santolina
Calluna vulgaris	Scotch Heather	L. japonicum	Japanese Privet	Sedum album	Stonecrop
Carpobrotus edulis	Hottentot Fig (Ice Plant)	L. lucidum	Glossy Privet (Waxleaf)	Syzygium paniculatum	Japanese Brushcherry
Cassia artemisoides	Feathery Cassia	Liriope muscari	Big Blue Lily, Silver Mound	Taxus cuspidata	Japanese Yew
Ceanothus rigidus	Wild Lilac	Lonicera japonica	Japanese Honeysuckle	T. media	Yew
Chamaecyparis pisifera	False Cypress	L. tatarica	Tatarian Honeysuckle	Thuja occidentalis	American Arborvitae
Cleyera japonica	Cleyera	Maleophora luteola	Ice Plant	Trachelospermum asiaticum	Star Jasmine
Citrus spp.	Citrus species*	Malus sp.	Crabapple*	Tsuga canadensis	Canada Hemlock
Cornus florida	Flowering Dogwood	Nandina domestica	Heavenly Bamboo	Viburnum japonicum	Japanese Viburnum
C. stolonifera	American Dogwood	Olea europaea	Olive*	V. odoratissimum	Sweet Viburnum
Cortaderia selloana	Pampas Grass	Ophiopogon japonicus	Mondo Grass	V. plicatum	Japanese Snowball
Cotoneaster apiculatus	Cranberry Cotoneaster	Osteospermum fruticosum	Trailing African Daisy	V. rigidum	Canary Island Viburnum
C. buxifolius	Cotoneaster	Oxydendrum arboreum	Sourwood	V. tinus	Laurustinus
C. dammeri	Bearberry Cotoneaster	Persea americana	Avocado	V. trilobium	Cranberry Bush
C. microphyllus	Rockspray Cotoneaster	Photinia fraseri	Frasier's Photinia (Redtip)	V. wrightii	Leatherleaf Viburnum
Cretaegus spp.	Hawthorne	Picea spp.	Spruce species**	Vinca major	Greater Periwinkle, Vinca
Cupressus sempervirens	Italian Cypress	Pieris japonica	Lily-of-the-Valley Bush	Vinca minor	Common Periwinkle, Vinca
Delasperma alba	White Trailing Ice Plant	Pinus brutia	Calabrian Pine	Vitis sp.	Grape*
Delphinium spp.	Larkspur, Blue Elf	P. canariensis	Canary Island Pine	Weigela florida	Old Fashioned Weigela
Dodonea viscosa	Hop Bush	P. halepensis	Aleppo Pine	Yucca aloifolia	Spanish Bayonet, Yucca
Elaeagnus pungens	Silverberry	P. nigra	Austrian Pine	Y. filamentosa	Adam's Needle, Yucca
Euonymus fortunei	Wintercreeper	P. radiata	Monterey Pine	*Do not use on food producing trees, vines or plants.	
E. japonica	Evergreen Euonymus	P. thunbergiana	Japanese Black Pine	**Not for use on container grown plants.	
E. kiusutschovica	Spreading Euonymus	P. strobus	Eastern White Pine		
Fatsia japonica	Japanese Aralia	P. sylvesteris	Scotch Pine		
Forsythia intermedia	Border Forsythia	Pistachio sp.	Pistachio*		
F. viridissima	Greenstem Forsythia	Pittosporum rhombifolium	Queensland Pittosporum		
Gardenia jasminoides	Gardenia, Cape-Jasmine				

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. **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, or the seller. 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 only 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.