

NITRO-PHOS

BARRICADE®

PREEMERGENCE

HERBICIDE

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

ACTIVE INGREDIENT:

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

OTHER INGREDIENTS: 99.42%

TOTAL: 100.00%

EPA Reg. No. 32802-67-54343

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.

Sold By:
NITRO-PHOS

PO Box 1356, HOUSTON, TEXAS 77251-1356

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	* 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 of 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.
Hotline 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

00-00-07

Soluble Potash (K₂O)7.00%

Derived From: Muriate of Potash

Chlorine (Cl), not more than 6.00%

FGP45853

SAP100206262

F315

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.wa.gov/agri/>

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, smooth); crowfootgrass; cupgrass, woolly; foxtails, annual; goosegrass¹; henbit; itchgrass; johnsongrass (from seed); juncideric; knotweed; kochia; lambsquarters, common; lovegrass; panicum (Texas, fall, browntop); pigweed; purslane, common; pursley, Florida; rescuegrass¹; shepherd's purse¹; signalgrass, broadleaf; speedwell, Persian; sprangletop; spurge, prostrate; witchgrass; woodsorrel, yellow (from seed).

¹ In many areas where not prohibited by fertilizer restrictions ** a single application of 2.5 to 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 2.5 to 3.9 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.

**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 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.

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 seeding 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,

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 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
Bahia grass ² , Centipedegrass ² Bermudagrass ³ , 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 In Florida: Do not exceed 2 applications per year to Bahia grass and Centipedegrass in the north. Do not exceed 3 applications per year to Centipedegrass in the central and south regions. Consult your State Cooperative Extension Service for current information on annual applications for lawn fertilizers in your region.
³ 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 rescuegrass due to reduced rates used in sprigging situations.

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.

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

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	I. crenata	Japanese Holly	Prunus sp.	Almond, Apricot, Nectarine
Agapanthus africanus	Lily-of-the-Nile (African Lily)	I. opaca	American Holly		Peach, Plum and Prune*
Arctostaphylos densiflora	Vine Hill Manzanita	Iris spp.	Iris species**	Pyracantha coccinea	Firethorn (Scarlet)
Arctotheca calendula	Cape Weed	Jasminum nudiflorum	Winter Jasmine	P. fortuneana	Firethorn
Aucuba japonica	Japanese Aucuba	Juniperus chinensis	Chinese Juniper	P. koidzumii	Firethorn
Berberis gladiolensis	Barberry	J. conferta	Shore Juniper	Pyrus sp.	Bradford Pear sp.
B. julianae	Wintergreen Barberry	J. horizontalis	Creeping Juniper	Quercus spp.	Oak species
B. mentorensis	Mentor Barberry	J. nana	Walnut	Raphiopholis indica	Indian Hawthorne
B. thunbergii	Japanese Barberry	Justicia brandegeana	Shrimp Plant	Rhododendron	'Coral Bells'
Buxus microphylla	Japanese Boxwood	Lagerstromia indica	Crepe Myrtle	(including Azalea)	'Formosa,' 'Hino-crimson,' 'PJM,' 'Roseum Elegans'
Callistemon viminalis	Weeping Bottlebrush	Ligustrum amurense	Amur Privet	Rosa banksiae	Lady Bank's Rose
Calluna vulgaris	Scotch Heather	L. japonicum	Japanese Privet	Rosmarinus officinalis	Rosemary
Carpopeltus edulis	Hottentot Fig (Ice Plant)	L. lucidum	Glossy Privet (Waxleaf)	Santolina virens	Santolina
Cassia artemisioides	Feathery Cassia	L. loropetalum	Big Blue Lily, Silver Sound	Sedum album	Stonecrop
Ceanothus rigidus	Wild Lilac	Lonicera japonica	Japanese Honeysuckle	Syzygium paniculatum	Japanese Bushcherry
Chamaecyparis pisifera	False Cypress	L. latifolia	Ice Plant	Taxus cuspidata	Japanese Yew
Cleyera japonica	Cleyera	Malephora luteola	Crabapple*	T. media	Yew
Citrus spp.	Citrus species*	Malus sp.	Heavenly Bamboo	Thuja occidentalis	American Arborvitae
Cornus florida	Flowering Dogwood	Nandina domestica	Olive*	Trachelospermum asiaticum	Star Jasmine
C. stolonifera	American Dogwood	Olea europaea	Mondo Grass	Yucca canadensis	Canada Hemlock
Cortaderia selloana	Pampas Grass	Ophiopogon japonicus	Trailing African Daisy	Viburnum japonicum	Japanese Viburnum
Cotoneaster apiculatus	Cranberry Cotoneaster	Osteospermum fruticosum	Sourwood	V. odoratissimum	Sweet Viburnum
C. buxifolius	Cotoneaster	Oxydendrum arboreum	Avocado*	V. plicatum	Japanese Snowball
C. dammeri	Barberry Cotoneaster	Persea americana	Photinia fraseri	V. rigidum	Canary Island Viburnum
C. microphyllus	Rocky Cotoneaster	Picea spp.	Spruce species**	V. tinus	Laurestinus
Cretaeus spp.	Hawthorne	Pieris japonica	Lily-of-the-Valley Bush	V. trilobum	Cranberry Bush
Delaspermia alba	White Trailing Ice Plant	Pinus brutia	Calabrian Pine	V. wrightii	Leatherleaf Viburnum
Delphinium spp.	Larkspur, Blue Elf	P. canariensis	Canary Island Pine	V. acerifolium	Greater Periwinkle, Vinca
Dodonea viscosa	Hop Bush	P. halepensis	Aleppo Pine	V. minor	Common Periwinkle, Vinca
Elaeagnus pungens	Silverberry	P. nigra	Austrian Pine	Vitis sp.	Grape*
Eunymus fortunei	Wintercreeper	P. radiata	Monterey Pine	Weigela florida	Old Fashioned Weigela
E. japonica	Evergreen Eunymus	P. thunbergiana	Japanese Black Pine	Yucca aloifolia	Spanish Bayonet, Yucca
E. lautschovica	Spreading Eunymus	P. strobus	Eastern White Pine	Y. filamentosa	Adam's Needle, Yucca
Fatsia japonica	Japanese Aralia	P. sylvestris	Scotch Pine		*Do not use on food producing trees, vines or plants.
Forsythia intermedia	Border Forsythia	Pistachio sp.	Pistachio*		**Not for use on container grown plants.
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. **PESTICIDE STORAGE:** Store in original container in a cool, dry 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.

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