



LICENSED

PERIOD 2015-2017 LIC. NO.

8079.98



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2012-2014 LIC. NO.



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2009-2011 LIC. NO.

QUALITY PRODUCTS SINCE 1945

COVERS
5,000 SQ. FT.



Signature
SERIES

CRABGRASS PREVENTER
+ LAWN FERTILIZER

3-5 MONTH WEED GRASS CONTROL



16-0-3

Slow Release Nitrogen — Helps Provide
Extended Feeding

Prevents Crabgrass and Many Other
Weed Grasses

Phosphate—Free Fertilizer

Contains
Barricade®



Net Wt. 16 lbs. (7.27 kg)

ACTIVE INGREDIENTS:

Prodiamine: [N ³ ,N ³ -Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine].....	0.29%
INERT INGREDIENTS:.....	99.71%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for further precautions and First Aid information.

* When used according to label directions.

PENNINGTON
Signature
SERIES
CRABGRASS PREVENTER
+LAWN FERTILIZER 16-0-3

CRABGRASS PREVENTER
+LAWN FERTILIZER 16-0-3
PENNINGTON
Signature
SERIES



CRABGRASS PREVENTER
+LAWN FERTILIZER 16-0-3

12.25" STEP

12.125" WIDTH



QUALITY PRODUCTS SINCE 1945

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 1-800-424-9300.

GENERAL INFORMATION

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 turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

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). 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; rescuegrass²;

shepherd's purse²; signalgrass, broadleaf; speedwell, Persian; sprangletop; spurge, prostrate; witchgrass; woodsorrel, yellow (from seed).

¹ In many areas a single application of 5.2 to 11.9 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, 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.

³ Suppression only.

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

WHEN AND HOW TO APPLY

WHEN TO APPLY TO ESTABLISHED TURF:

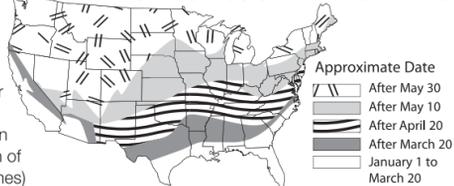
This product must be applied prior to germination of weed seeds, as it will not control established weeds.

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 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, 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.

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 MAP SHOWS APPROXIMATE CRABGRASS GERMINATION DATES



MINIMUM AND MAXIMUM APPLICATION RATES (by Turf Grass Species)		
Turf Species	Minimum Rate	Maximum Annual Rate ¹
Bahiagrass, Bermudagrass ²	2.75 lbs / 1000 sq ft	11.9 lbs / 1000 sq ft per year
Centipedegrass, Zoysiagrass		
Seashore Paspalum		
St. Augustinegrass		
Tall Fescue (including turf-type)		
Buffalograss	2.75 lbs / 1000 sq ft	7.9 lbs / 1000 sq ft per year
Kentucky Bluegrass		
Perennial Ryegrass		
Creeping Red Fescue	2.75 lbs / 1000 sq ft	6 lbs / 1000 sq ft per year
Creeping Bentgrass	2.75 lbs / 1000 sq ft	5.2 lbs / 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 4.1 pounds/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.

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/ reseeding results.

USE RATE	MONTHS BEFORE OVERSEEDING		
	North	Transition	South
2.75 pounds / 1000 sq ft	4	4	4
5.2 pounds / 1000 sq ft	5	4	4
6 pounds / 1000 sq ft	6	5	5
6.3 pounds / 1000 sq ft	---	6	6
7.9 pounds / 1000 sq ft	---	7	7
9 pounds / 1000 sq ft	---	---	9
10.3 pounds / 1000 sq ft	---	---	10
11.9 pounds / 1000 sq ft	---	---	12

SPREADER SETTINGS

BROADCAST SPREADER		DROP SPREADER	
Agri-Fab	4.0	Precision Pro	3.75
Ames	4.0	Scotts Speedy Green	5.75
Ames Deluxe 2in1	3.0	Scotts Easy Green	26.0
Craftsman	4.0	Scotts Basic	5
Earthway	11.5	Scotts Lawn Pro	5
Plant Mate	8.0	Scotts Deluxe EdgeGuard	5
Precision GreenLine	3.75	Taylor	8.0
Precision Red Devil	3.75		
Agri-Fab	6.0	Precision GreenLine	1.5
Ames	2.5	Precision Red Devil	1.5
Ames Deluxe 2in1	1.5	Precision Pro	1.5
Craftsman	5.5	Scotts Accu Green	6.5
Earthway	9.5	Scotts Even Green	7.5
Plant Mate	1.7	Taylor	1.7

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.

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.

GUARANTEED ANALYSIS 16-0-3

Total Nitrogen (N)	16.00%
16% Urea Nitrogen*	
Soluble Potash (K ₂ O)	3.00%
Iron (Fe)	1.00%
0.02% Water Soluble Iron (Fe)	
Derived from: Sulfur Coated Urea, Urea, Muriate of Potash, Ferrous Sulfate and Ferric Oxide.	
* Part of the Nitrogen in this product has been sulfur coated to provide 3.2% coated slow release nitrogen.	

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

EPA Reg. No. 32802-70-59144

EPA Est. No. 59144-GA-1(A), 32802-MO-1(B), 37351-CO-1(C), 8378-IN-1(D), 9404-FL-1(E), 961-PA-01(F), 961-IL-01(G), 35497-OR-1(H), 49991-TX-2(Q)

Letter in parenthesis is first letter of lot number.



Distributed by
Gro Tec, Inc.
P. O. Box 290
Madison, GA 30650

Net Wt. 16 lbs. (7.27 kg)

Barricade® is a registered trademark of a Syngenta Group Company.

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IN CASE OF EMERGENCY, CALL 800-424-9300

B
18"
LENGTH

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STATE OF HAWAII
LICENSED
PERIOD 2015-2017 LIC. NO.
8079.98

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QUALITY PRODUCTS SINCE 1945

**COVERS
15,000 SQ. FT.**



Signature
SERIES

**CRABGRASS PREVENTER
+ LAWN FERTILIZER**

3-5 MONTH WEED GRASS CONTROL



16-0-3

Slow Release Nitrogen — Helps Provide Extended Feeding

Prevents Crabgrass and Many Other Weed Grasses

Phosphate—Free Fertilizer

**Contains
Barricade®**



Net Wt. 48 lbs. (21.79 kg)

ACTIVE INGREDIENTS:
Proflumicloriduron: [N³,N³-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] 0.29%
INERT INGREDIENTS: 99.71%
Total 100.00%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**
See back panel for further precautions and First Aid information.



* When used according to label directions.

Signature
SERIES
PENNINGTON
**CRABGRASS PREVENTER
+ LAWN FERTILIZER 16-0-3**

**CRABGRASS PREVENTER
+ LAWN FERTILIZER 16-0-3**
Signature
SERIES
PENNINGTON



**CRABGRASS PREVENTER
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QUALITY PRODUCTS SINCE 1945

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WHEN AND HOW TO APPLY

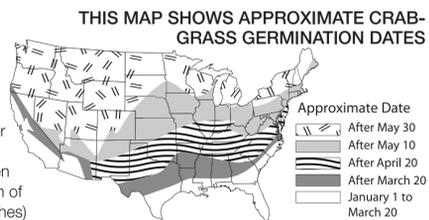
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SPREADER SETTINGS

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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.

GUARANTEE: Gro Tec guarantees this fine product to the extent of the purchase price, only when used according to directions

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P. O. Box 290
Madison, GA 30650

Net Wt. 48 lbs. (21.79 kg)

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STORAGE AND DISPOSAL

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STORAGE: Store in original container in a locked storage area out of reach of children and domestic animals.

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.

GUARANTEED ANALYSIS 16-0-3

Total Nitrogen (N)	16.00%
16% Urea Nitrogen*	
Soluble Potash (K ₂ O)	3.00%
Iron (Fe)	1.00%
0.02% Water Soluble Iron (Fe)	
Derived from: Sulfur Coated Urea, Urea, Muriate of Potash, Ferrous Sulfate and Ferric Oxide.	
* Part of the Nitrogen in this product has been sulfur coated to provide 3.2% coated slow release nitrogen.	

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

EPA Reg. No. 32802-70-59144

EPA Est. No. 59144-GA-1(A), 32802-MO-1(B), 37351-CO-1(C), 8378-IN-1(D), 9404-FL-1(E), 961-PA-01(F), 961-IL-01(G), 35497-OR-1(H), 49991-TX-2(Q)
Letter in parenthesis is first letter of lot number.

IN CASE OF EMERGENCY, CALL 800-424-9300

CRABGRASS PREVENTER + LAWN FERTILIZER 16-0-3

