



**OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION**

WASHINGTON, D.C. 20460

February 05, 2025

James McFadden  
jmcfadden@central.com  
HOWARD JOHNSON'S ENTERPRISES, INC.

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Updates per  
prodiamine interim decision and additional changes  
Product Name: CRABGRASS PREVENTER PLUS WITH .20 PRODIAMINE  
PREEMERGENCE HERBICIDE  
Admin Number: 32802-65  
EPA Start Date: 02/19/2020 and 08/16/2019  
Action Case Number: 473657 and 481808

Dear James McFadden:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Prodiamine Final and/or Interim Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or

misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Margaret Golembiewski via email at [golembiewski.margaret@epa.gov](mailto:golembiewski.margaret@epa.gov).

Sincerely,

*Kable Bo Davis*

Kable Bo Davis, Senior Advisor  
HB, RD  
Office of Pesticide Programs

[This Label Contains Two Sublabels]

[Sublabel A: Residential Uses]

[sublabel B: Commercial uses]

**PRODIAMINE****GROUP****3****HERBICIDE**

## CRABGRASS PREVENTER PLUS WITH .20% PRODIAMINE PREEMERGENCE HERBICIDE

**[Sublabel A: Residential lawns and outdoor domestic use with applications by homeowners]**

**FOR SELECTIVE PREEMERGENCE CONTROL OF GRASS and BROADLEAF WEEDS IN RESIDENTIAL LAWNS  
STOPS MANY [UGLY] WEED GRASSES BEFORE THEY GROW. PREVENTS CRABGRASS, ANNUAL  
BLUEGRASS, FOXTAIL & MORE.**

(See Marketing Claims Section for Additional Claims)

**ACTIVE INGREDIENT:**

Prodiamine: (CAS 29091-21-2) . . . . . 0.20%

OTHER INGREDIENTS: . . . . . 99.80%

TOTAL: . . . . . 100.00%

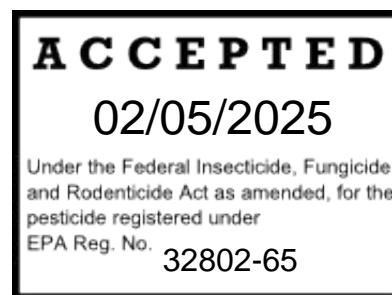
EPA Reg. No. 32802-65

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.

[See tag attached to bag for fertilizer guaranteed analysis.]



<b>GUARANTEED ANALYSIS XX-X-X</b>	
Total Nitrogen (N) .....	XX%
x.x% ammoniacal nitrogen	
x.x% urea nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	X%
Soluble Potash (K <sub>2</sub> O) .....	X%
Sulfur (S) .....	X%
x.x% free sulfur (S)	

Derived from: polymer-coated sulfur-coated urea, urea, ammonium phosphate, potassium chloride.

\*A portion of the urea has been coated to provide x.x% coated slow-release nitrogen.

This product and/or its manufacture is covered by one or more of the following U.S. patents and international counterparts thereof: US Patent Numbers: xxxxxx

Fertilizer grades with nutrient contents expressed as the percentages of N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O may include the following: 23-37 or x-x-x. The fertilizer grade analyses may contain macronutrients and micronutrients. The nutrient contents expressed will vary among states, and the analyses will differ between supplemental registrations.

Chlorine (Cl), not more than XX.XX%

Nitrogen fertilizer inert ingredients, providing from 0% to 47% available nitrogen.

Phosphate fertilizer inert ingredients, providing from 0% to 52% available phosphorous.

Potassium fertilizer inert ingredients, providing from 0% to 62% available potassium.

Micronutrient fertilizer inert ingredients, providing from 0% to 50%.

All fertilizer inert ingredients not to exceed 95.96%.

**WARNING:** Some crops may be injured by application of boron. This fertilizer is to be used only on soils which respond to molybdenum. Crops high in molybdenum are toxic to ruminants.

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

BARRICADE" is a registered trademark of Syngenta Crop Protection

**Read the entire Label 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

For information on this pesticide product including health concerns, medical emergencies, or pesticide incidents, Call the National Pesticide Information Center at 1-800-858-7378.

(Brackets [ ] contain optional language for use in states where the maximum application rate is limited by N restrictions)

NET WEIGHT: [XXX lbs ]

Covers up to XX,XXX sq. ft. (XXXX' x XX') and/or  
This bag covers XX,XXX sq. ft.

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

[See back panel for further Precautions and First Aid information.]

### 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. Prolonged or repeated skin contact with product may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet

#### ENVIRONMENTAL HAZARDS:

To protect the environment, do not allow this product to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather will help to ensure that wind does not blow this product off the treated area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water.

**NON-TARGET ORGANISM ADVISORY STATEMENT:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent the treated site. Protect the forage and habitat of not-target organisms by following label directions intended to minimize spray drift.

<b>First Aid</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or physician immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or physician.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>Hot line number</b>	
Have the product container or label with you when calling a poison control center 800-424-9300 or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800858-7378.	

## **DIRECTIONS FOR USE:**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**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. 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). 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.

**USE RESTRICTIONS:** 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 to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Do not apply to newly set sod until the following year. 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.

**NOTICE:** If fertilizer contains boron. Some crops may be injured by application of boron. This fertilizer is to be used only on soils which respond to molybdenum. Crops high in molybdenum are toxic to ruminants.

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; goosegrass<sup>1</sup>; henbit; itchgrass; johnsongrass (from seed); junglerice; knotweed; kochia; lambsquarter, common; lovegrass; panicum (Texas, fall, browntop); pigweed; purslane, common; pusley, Florida; rescuegrass<sup>3</sup>; shepherd's purse<sup>2</sup>; signalgrass, broadleaf; speedwell, Persian; sprangletop; spurge, prostrate; witchgrass; woodsorrel, yellow (from seed).

1. In many areas [where not prohibited by fertilizer use restrictions\*\*] a single application of 7.6 to 17.2 pounds / 1000 square feet (330 to 750 pounds/acre) 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 (330 to 500 pounds/acre) [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 by Turfgrass Species" table in Rates of Application section of this label). 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.]

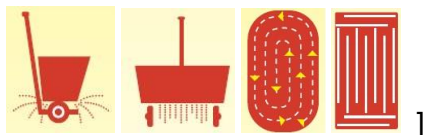
**WHEN TO APPLY TO ESTABLISHED TURF:** This product must be applied prior to germination of weed seed, as it will not control established weeds.

[Graphic – Map showing approximate crabgrass germination dates]

**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.

**[BROADCAST SPREADERS:** For best results, apply in a circular path starting on the outside and working toward the center overlapping slightly to insure complete coverage.

**DROP SPREADERS:** Apply 2 strips along each end. Then apply along length of lawn, overlapping slightly and shutting off the spreader before each turn at edge of border strips.



<b>SPREADER SETTINGS</b> to apply at the listed pounds per 1000 square feet					
	[4 lbs]	[6 lbs]	[7.6 lbs]	[8.5 lbs]	[11.5 lbs] [17.2 lbs]
Spreader A					
<i>(May contain additional spreader brands/models, spreader settings and spreader use instructions as appropriate for the product )</i>					

### SETTING YOUR LAWN SPREADER

THESE SETTINGS ARE A GUIDE. They were determined by landscape professionals using new spreaders. The condition of your spreader, your walking speed, the roughness of the lawn, and even the humidity can affect how fast the lawn food comes out. Watch flow rate. If fertilizer appears to be coming out either slower or faster than you are covering your lawn, adjust the setting. Close the spreader when filling, turning or stopping.

#### [Advisory For Fertilizers Containing Iron:

Keep this product off sidewalks, patios, driveways, etc. This fertilizer may stain concrete and painted surfaces. If it comes in contact with concrete surfaces, sweep off immediately before flushing with water. If concrete is wet when contact occurs, staining may be impossible to prevent. Be careful when using rotary spreaders which scatter fertilizer beyond lawn edge and onto concrete. ]

#### (Optional/Alternate Application Directions)

1. Determine size of area to be treated - measure length and width in feet, then multiply to determine coverage area in square feet (length x width). Next, subtract non-lawn areas. 2. Use the spreader setting chart to determine the appropriate setting.

3. Apply evenly over dry grass, avoiding streaks, skips and overlaps - thorough coverage is important. On hot days (above 80° F), water the lawn to rinse particles off the grass.

Note: The spreader settings listed at right *are* approximate. It is important to check calibration of spreader frequently to ensure spreader is functioning properly and applying product evenly. To check calibration, accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust spreader setting if necessary in order to ensure correct rate of application.

**RATES OF APPLICATION:** Use this product 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:

Minimum and Maximum Application Rates (by Turf Grass Species) <sup>1</sup>		
Turf Species	Minimum Rate	Maximum Rate
Bahiagrass <sup>[2]</sup> , Centipedegrass <sup>[2]</sup>	4 lbs/1000 sq. ft (174 lbs/acre)	17.2 lbs/1000 sq. ft. per year (750 lbs/acre per year)
Bermudagrass <sup>3</sup> , Zoysiagrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type)		
Buffalograss Kentucky Bluegrass Perennial Ryegrass	4 lbs/1000 sq. ft (174 lbs/acre)	11.5 lbs/1000 sq. ft. per year (500 lbs/acre per year)
Creeping Red Fescue	4 lbs/1000 sq. ft (174 lbs/acre)	8.5 lbs per 1000 sq. ft. per year (370 lbs/acre per year)
Creeping Bentgrass	4 lbs/1000 sq. ft (174 lbs/acre)	7.6 lbs per 1000 sq. ft. per year (330 lbs/acre per year)
<sup>1</sup> These are the maximum rates per calendar year. <sup>2</sup> [In Florida: Do not exceed 2 applications per year to Bahiagrass 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 application limitations for lawn fertilizers in your region.] <sup>3</sup> May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 6 lbs /1000 square feet (260 lbs/acre). 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 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. The retreatment interval is 60-90 days.

**[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
4 lbs/1000 sq ft (174) pounds/acre)	4	4	4
7.6 lbs/1000 sq ft (330 pounds/acre)	5	4	4
8.5 lbs/1000 sq ft (370 pounds/acre)	6	5	5
9.2 pounds/1000 sq ft (400 pounds/acre)	--	6	6
11.5 pounds/1000 sq ft (500 pounds/acre)	--	7	7
13 lbs/1000 sq ft (570 pounds/acre)	--	--	9
14.9 lbs/1000 sq ft (650 pounds/acre)	--	--	10
17.2 lbs/1000 sq ft (750 pounds/acre)	--	--	12

]

## 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 AND CONTAINER HANDLING

**IF EMPTY:** Nonrefillable container: Do not reuse or refill this container. 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.

## 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. Plant 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.

**Sublabel B: For commercial applications to approved**

**usPRODIAMINE**

e	3	HERBICIDE
sitesGROUP		

**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 [UGLY] WEED GRASSES BEFORE THEY GROW. PREVENTS CRABGRASS, ANNUAL BLUEGRASS, FOXTAIL & MORE.**

**ACTIVE INGREDIENT:**

Prodiamine: (CAS 29091-21-2) ..... 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. [See tag attached to bag for fertilizer guaranteed analysis.]

<b>GUARANTEED ANALYSIS XX-X-X</b>	
Total Nitrogen (N) .....	XX%
x.x% ammoniacal nitrogen	
x.x% urea nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	X%
Soluble Potash (K <sub>2</sub> O) .....	X%
Sulfur (S) .....	X%
x.x% free sulfur (S)	
Derived from: polymer-coated sulfur-coated urea, urea, ammonium phosphate, potassium chloride. *A portion of the urea has been coated to provide x.x% coated slow-release nitrogen. This product and/or its manufacture is covered by one or more of the following U.S. patents and international counterparts thereof: US Patent Numbers: xxxxxx  Note: Fertilizer grades with nutrient contents expressed as the percentages of N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O may include the following: 23-3-7 or x-x-x. The fertilizer grade analyses may contain macronutrients and micronutrients. The nutrient contents expressed will vary among states, and the analyses will differ between supplemental registrations. Chlorine (Cl), not more than XX.XX%  Nitrogen fertilizer inert ingredients, providing from 0% to 47% available nitrogen. Phosphate fertilizer inert ingredients, providing from 0% to 52% available phosphorous. Potassium fertilizer inert ingredients, providing from 0% to 62% available potassium. Micronutrient fertilizer inert ingredients, providing from 0% to 50%. All fertilizer inert ingredients not to exceed 95.96%.	

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

BARRICADE" is a registered trademark of Syngenta Crop Protection

**Read the entire LABEL before using this product. If terms are not acceptable, return the unopened product container at once to the seller.**

Agricultural Chemical: Do not ship or store with food, feed, drugs or clothing. For Chemical Spill, Leak, Fire or Exposure, Call CHEMTREC (800) 424-9300. For information on this pesticide product including health concerns, medical emergencies, or pesticide incidents. Call the National Pesticide Information Center (800) 858-7378

(Brackets [ ] contain optional language for use in states where the maximum application rate is limited by N restrictions)

NET WEIGHT: XXX LB

Covers up to XX,XXX sq. ft. (XXXX' x XX') and/or

This bag covers XX,XXX sq. ft.

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See back panel for further Precautions and First Aid information.

### 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. Prolonged or repeated skin contact with product may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Applicators must wear long-sleeved shirts, long pants, sock and socks.

First Aid	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or physician immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> </ul>
	<ul style="list-style-type: none"> <li>• Do not induce vomiting unless told to do so by the poison control center or physician.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>Hot line number</b>	

Have the product container or label with you when calling a poison control center 800 -424-9300 or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800858-7378.

## 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.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent the treated site. Protect the forage and habitat of not-target organisms by following label directions intended to minimize spray drift.

## 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.

*(Alternate wording for WPS exclusionary statement, for use when the product labeling contains only turf uses, (ie when label is split to exclude the directions for use on ornamental sites.))*

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

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. 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). 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.

USE RESTRICTIONS; 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 to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Do not apply to newly set sod until the following year. 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.

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; goosegrass<sup>1</sup>; henbit; itchgrass; johnsongrass (from seed); junglerice; knotweed; kochia; lambsquarter, common; lovegrass; panicum (Texas, fall, browntop); pigweed; purslane,

common; pusley, Florida; rescuegrass<sup>3</sup>; shepherd's purse<sup>2</sup>; signalgrass, broadleaf; speedwell, Persian; sprangletop; spurge, prostrate; witchgrass; woodsorrel, yellow (from seed).

1. In many areas [where not prohibited by fertilizer use restrictions\*\*] a single application of 7.6 to 17.2 pounds / 1000 square feet (330 to 750 pounds/acre) 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 (330 to 500 pounds/acre) [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 by Turfgrass Species" table in Rates of Application section of this label). 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.]

## WEED RESISTANCE MANAGEMENT

For resistance management, Crabgrass Preventer Plus with .20% Prodiamine Preemergence Herbicide is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to (name of product) and other Group (mode of action group number) herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of Crabgrass Preventer Plus with .20% Prodiamine Preemergence Herbicide or other Group 3 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Report any incidence of non-performance of this product against a particular weed species to your retailer, representative, or call 1-800-xxx-xxxx. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes as practical, with the goal of preventing further seed production.
- Difficult to control weeds may require sequential applications of herbicides with differing mechanisms of action.
- Apply this herbicide at the correct timing and rate needed to control the most difficult weed in the field.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- Contact your local sales representative, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions.

**WHEN TO APPLY TO ESTABLISHED TURF:** This product must be applied prior to germination of weed seed, as it will not control established weeds.

[Graphic – Map showing approximate crabgrass germination dates]

**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.

**RATES OF APPLICATION:** Use this product 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:

<b>Minimum and Maximum Application Rates (by Turf Grass Species)<sup>1</sup></b>		
Turf Species	Minimum Rate	Maximum Rate
Bahiagrass <sup>2</sup> , Centipedegrass <sup>2</sup> Bermudagrass <sup>3</sup> , Zoysiagrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type)	4 lbs per 1000 sq. ft (174 lbs/acre)	17.2 lbs/1000 sq. ft. per year (750 lbs/acre per year)
Buffalograss Kentucky Bluegrass Perennial Ryegrass	4 lbs per 1000 sq. ft (174 lbs/acre)	11.5 lbs/1000 sq. ft. per year (500 lbs/acre per year)
Creeping Red Fescue	4 lbs per 1000 sq. ft (174 lbs/acre)	8.5 lbs per 1000 sq. ft. per year (370 lbs/acre per year)
Creeping Bentgrass	4 lbs per 1000 sq. ft (174 lbs/acre)	7.6 lbs per 1000 sq. ft. per year (330 lbs/acre per year)
<p>1 These are the maximum rates per calendar year.</p> <p>2 [In Florida: Do not exceed 2 applications per year to Bahiagrass 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 application limitations for lawn fertilizers in your region.]</p> <p>3 May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 6 lbs / 1000 square feet (260 pounds/acre). 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.</p>		

**(Optional/Alternate Application Directions)**

1. Determine size of area to be treated - measure length and width in feet, then multiply to determine coverage area in square feet (length x width). Next, subtract non-lawn areas.
2. Use the spreader setting chart to determine the appropriate setting.
3. Apply evenly over dry grass, avoiding streaks, skips and overlaps - thorough coverage is important. On hot days (above 80° F), water the lawn to rinse particles off the grass.

Note: The spreader settings listed [below][at right] are approximate. It is important to check calibration of spreader frequently to ensure spreader is functioning properly and applying product evenly. To check calibration, accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust spreader setting if necessary in order to ensure correct rate of application.

<b>SPREADER SETTINGS</b> to apply at the listed pounds per 1000 square feet						
	[4 lbs]	[6 lbs]	[7.6 lbs]	[8.5 lbs]	11.5 lbs	17.2 lbs
Spreader A						

(May contain additional spreader brands/models, spreader settings and spreader use instructions as appropriate for the product )

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 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. The retreatment interval is 60-90 days.

**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
Lbs/1000 sq ft			
4 lbs/1000 sq ft (174 pounds/acre)	4	4	4
7.6 lbs/1000 sq ft (330 pounds/acre)	5	4	4
8.5 lbs/1000 sq ft (370 pounds/acre)	6	5	5
9.2 lbs/1000 sq ft (400 pounds/acre)		6	6
11.5 lbs/1000 sq ft (500 pounds/acre)	-	7	7
13 lbs/1000 sq ft (570 pounds/acre)	-	-	9
14.9 lbs/1000 sq ft (650 pounds/acre)	-	-	10
17.2 lbs/1000 sq ft (750 pounds/acre)	-	-	12

]

**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 pounds/1000 square feet (330 to 750 pounds/acre) 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 pounds/1000 square feet (750 pounds/acre) 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 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. (\*List may be truncated to save space)

#### **SCIENTIFIC NAME**

Abies spp

Abelia grandiflora

Acer palmatum

A. platanoides

Achillea spp.

Actinidia chinensis

Agapanthus africanus

Agapanthus orientalis

Akebia quinata

Allium cernuum

Anemone hybrida

Aquilegia spp.

Arctostaphylos densiflora

Arctotheca calendula

Artemisia spp.

#### **COMMON NAME**

Fir species\*\* (Balsam, Frasier, Noble, etc.)

Abelia: Sherwood

Japanese Maple

Norway Maple

Yarrow, King Edward

Kiwi\*

Lily-of-the-Nile (African Lily)

Five-Leaf or Chocolate Vine

Lady's Leek, Nodding Onion

Japanese Anemone

Aquilegia: Red and Gold

Vine Hill Manzanita

Cape Weed

Wormwood: Silver Mound, Castle

Aster spp.	Aster: Bonnie Blue, Purple Dome
Aster X Frikartii	
Athrium Fitiz-femina	Lady Fern; Fern Lady
Aucuba japonica	Japanese Aucuba
Begonia spp.	Fibrous Begonia: Hardy Grandis
Berberis gladwynensis	Barberry
B. Julianae	Wintergreen Barberry
B. mentorensis	Mentor Barberry
B. thunbergii	Japanese Barberry
B. verruculosa	Warty Barberry
Bergenia cordifolia	
Boltonia asteroides	Snowbank
Buddleia davidii	Butterfly-Bush (Dwarf Blue) Royal Red
Buxus microphylla	Japanese Boxwood
Callistemon viminalis	Weeping Bottlebrush
Calluna vulgaris	Scotch Heather
Campanula carpatica	Tussock Bellflower, (White Clips)
Campis XTagliabuana	Trumpet Flower, Madame Galen
Carpobrotus edulis	Hottentot Fig (Ice Plant)
Cassia artemisoides	Feathery Cassia
Ceanothus rigidus	Wild Lilac
Ceratostigma plumbaginoides	
Chamaecyparis pisifera	False Cypress
Cleyera japonica	Cleyera
Citrus spp.	Citrus species*
Coreopsis spp.	Coreopsis (Calliopsis) Early Sunrise, Moonbeam
Cornus florida	Flowering Dogwood
C. stolonifera	American Dogwood
Cortaderia selloana	Pampas Grass
Cotoneaster apiculatus	Cranberry Cotoneaster
C. buxifolius	Cotoneaster
C. dammeri	Bearberry Cotoneaster
C. microphyllus	Rockspray Cotoneaster

**SCIENTIFIC NAME**

Cretaegus spp.  
 Crocosmia spp.  
 Cupressus sempervirens  
 Delasperma alba  
 Delosperma spp.  
 Delphinium spp.  
 Dianthus deltoides  
 D. gratianopolitanus  
 Dodonea viscosa  
 Echinacea purpurea  
 Elaeagnus pungens  
 Euonymus fortunei  
 E. japonica  
 E. kiautschovica  
 Fatsia japonica  
 Forsythia intermedia  
 Forsythia suspense  
 F. viridissima

**COMMON NAME**

Hawthorne  
 Lucifer  
 Italian Cypress  
 White Trailing Ice Plant  
 Cooperi Pink  
 Larkspur, Blue Elf  
 Dianthus; Maiden Pinks "Zing"  
 Cheddar Pink  
 Hop Bush  
 Coneflower, Purple; Magnus  
 Silverberry  
 Wintercreeper  
 Evergreen Euonymus  
 Spreading Euonymus  
 Japanese Aralia  
 Border Forsythia  
 Weeping Forsythia  
 Greenstem Forsythia



Gaillardia spp.	Gaillardia, Blanket Flower: "Goblin"
Gardenia jasminoides	Gardenia, Cape-Jasmine
Gaura spp.	
Gentiana dahurica	Gentian
Geranium cinereum	Cranesbill
Gladiolus spp.	Gladiolus species**
Gypsophila repens	Baby's Breath
Hedera helix	English Ivy
Hellanthemum spp.	Sunrose
Hemerocallis spp.	Daylily: Aztec Gold, Stella de Oro, Tender Love
Hibiscus	Rose of Sharon**
Hibiscus spp.	Mallow: Disco Belle White
Hibiscus rosa-sinensis	Chinese Hibiscus
Hosta plantaginea	Hosta, Plantain Lily (Fragrant)
H. Sieboldiana	Hosta, "Seersucker"
Houttuynia cordata var. variegata	
Hydrangea macrophylla	Bigleaf Hydrangea
Ilex Bernal	Holly
Ilex cornuta	Chinese Holly l.
crenata	Japanese Holly
I. opaca	American Holly
I. vomitoria	Yaupon Holly, Schillings
Inula ensifolia	
Iris ensata	Sword-Leaved Iris; Jodlesong
Iris siberica	Siberian Iris; Cabernet
Iris spp.	Iris species**
Jasminium nudiflorum	Winter Jasmine
Juniperus chinensis	Chinese Juniper; Nick's Compact; Parsonii
J. conferta	Shore Juniper; Blue Pacific
J. davuria	Parsoni
J. horizontalis	Creeping Juniper
Juglans spp.	Walnut*
Justicia brandegeana	Shrimp Plant
Lagerstromia indica	Crape Myrtle
Lagerstromia indica X Fauriei	Crape Myrtle, Tuscarora
Lantana montevidensis	Weeping Lantana
Lavender spp.	Lavender; Munstead
Leonopodium alpinum	Edelweiss
Ligustrum amurense	Amur Privet
Ligustrum sinense	Chinese privet, Variegata
L. japonicum	Japanese Privet
L. lucidum	Glossy Privet (Waxleaf)
Lillium spp.	Lily; Jazz

**SCIENTIFIC NAME**

Liriope muscari  
 Liriope muscari var. variegata  
 Liriope spicata  
 Lobelia Cardinalis  
 Lonicera japonica  
 L. tatarica  
 Lorapetalum chinense

**COMMON NAME**

Big Blue Lily; Silver Mound, Evergreen Giant  
 Liriope, variegated  
 Liriope, Creeping  
 Cardinal Flower, Indian Pink  
 Japanese Honeysuckle  
 Tatarian Honeysuckle  
 Burgundy

Lythrum spp.	Loosestrife; Modern Pink
Magnolia spp.	Magnolia species**
Maleophora luteola	Ice Plant
Malus sp.	Crabapple*
Miscanthus sinensis	Yaku Jima, Silberfeder
Nandina domestica	Heavenly Bamboo
Narcissus spp.	Narcissus species**
Nerium oleander	Oleander
Olea europaea	Olive*
Ophiopogon japonicus	Mondo Grass
Osmanthus heterophyllus	Osmanthus (False Holly): Gulf Tide
Osteospermum fruticosum	Trailing African Daisy
Oxydendrum arboreum	Sourwood
Paeonia suffruticosa	Tree Peony
Pennisetum setaceum	Fountain Grass (Dwarf)
Perovskia atriplicifolia	
Persea americana	Avocado*
Photinia fraseri	Frasier's Photinia (Redtip)
Physotegia Virginiana	Dragonhead, False; Vivid
Picea spp.	Spruce species** (Colorado Blue, Norway)
Pieris japonica	Lily-of-the-Valley Bush
Pinus brutia	Calabrian Pine
P. canariensis	Canary Island Pine
P. elliotii	Slash Pine
P. halepensis	Aleppo Pine
P. nigra	Austrian Pine
P. radiata	Monterey Pine
P. strobus	Eastern White Pine
P. sylvestris	Scotch Pine
P. taeda	Loblolly Pine
P. thunbergiana	Japanese Black Pine
P. virginiana	Virginia Pine
Pistachio sp.	Pistachio*
Pittosporum rhombifolium	Queensland Pittosporum

<i>P. tobira</i>	Japanese Pittosporum
<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>Prunus laurocerasus</i>	English Laurel
<i>Prunus</i> sp.	Almond, Apricot, Nectarine Peach, Plum and Prune*
<i>Pseudotsuga menziesii</i>	Douglas Fir**
<i>Pyracantha coccinea</i>	Firethorn (Scarlet)
<i>P. fortuneana</i>	Firethorn
<i>P. koidzumii</i>	Firethorn
<i>Pyrus</i> sp.	Bradford Pear spp.
<i>Quercus Shumardii</i>	Oak, Shumard's Red
<i>Quercus</i> spp.	Oak species
<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Raphiolepis umbellata</i>	Yedda hawthorne
<i>Rhododendron</i> (including Azalea)	'Coral Bells,' 'Formosa,' 'Hino-crimson,' 'PJM' 'Delaware Valley White,' 'Roseum Elegans,' 'Flame Creeper,' 'Girard Crimson,' 'Wakeiebisu,'  'White Gumbo,' 'George L. Tabor'
<i>Rosa banksiae</i>	Lady Bank's Rose

**SCIENTIFIC NAME****COMMON NAME**

<i>Rosmarinus officinalis</i>	Rosemary*
<i>Rudbeckia</i> spp.	Black-eyed Susan; Goldsturm
<i>Santolina virens</i>	Santolina
<i>Saxifrage</i> spp.	Saxifrage; Purple Dome
<i>Scabiosa</i> spp.	Pincushion Flower
<i>Sedum album</i>	Stonecrop
<i>Sedum cauticola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea burnalda</i>	Spirea: Anthony Waterer
<i>Syzygium paniculatum</i>	Australian Brushcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>T. media</i>	Yew
<i>Teucrium</i> spp.	Germander
<i>Thalictrum diptercarpum</i>	Meadow Rue
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa</i> spp.	Tulip species
<i>Veronica</i> spp.	Veronica, Speedwell; sunny Border
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>V. odoratissimum</i>	Sweet Viburnum
<i>V. plicatum</i>	Japanese Snowball
<i>V. rigidum</i>	Canary Island Viburnum
<i>V. tinus</i>	Laurustinus
<i>V. trilobium</i>	Cranberry Bush
<i>V. wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Greater Periwinkle, Vinca

Vinca minor	Common Periwinkle, Vinca
Vitis sp.	Grape*
Weigela florida	Old Fashioned Weigela
Yucca aloifolia	Spanish Bayonet, Yucca
Y. filamentosa	Adam's Needle, Yucca

\*Do not use on food producing trees, vines or plants.

\*\*Not for use on container grown plants.

## 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 HANDLING:** Completely empty bag into application equipment. Nonrefillable Page container: do not reuse or refill this container. Offer for recycling, if available.

### (Alternate wording for warranty statement:)

#### 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.

Information regarding the contents and levels of metals in this product is available on the internet at

<http://www.wa.gov/agr/>

(Optional wording for use with fertilizer inert ingredients that cause staining:)

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

PREVENT! Weed Grass Preventer and Turf Food

With Iron and Sulfur

Plus Slow Release Nitrogen

Loveland Turf Network

PREVENT! 15,000, PREVENT 10,000, PREVENT 5,000

Covers 5,000, 10,000, 15,000 Square Feet

Uncle's Idiot-Proof Tip

Always sweep product off driveway and sidewalks prior to watering.

For Pre-Emergence Control of: Crabgrass, Goosegrass, Foxtail, Barnyardgrass & other Annual Grass and Broadleaf Weeds in Established Turfgrass

Contains a Lawn Food with Iron and Sulfur, Nitrogen found in this product is partially derived from a slow release source that, while providing steady stream of greening eliminates the burning often associated with certain high analysis fertilizers.

(Optional wording required by some states in order to effect fertilizer registration:)

When soil testing or professional advice indicates the need for additional plant nutrients, make additional applications of fertilizer products over the growing season. A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing '(No of lbs) pounds of nitrogen per 1,000 square feet and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program. 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.

#### OPTIONAL STATEMENTS

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html> [OR by calling [1-877-726-6275]]

When applied as directed, this product meets the guidelines for metals adopted by the Association of American Plant Food Control Officials. Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html>.

Information regarding the raw materials composing this product can be obtained by writing to the Guarantor listed on this label and referring to the batch number found on this container.

(Optional marketing statement when Barricade\* is formulated in formula)

Contains BARRICADE\* PREEMERGENCE HERBICIDE

BARRICADE\* is a registered trademark of Syngenta Crop Protection

OPTIONAL MARKETING CLAIMS

STOPS MANY UGLY WEED GRASSES BEFORE THEY GROW

3.5 month Weed Grass Control

Quality Products Since 1945

Covers 9up to0 5,000/7,500/15,000 sq.ft.

In case of emergency call 800-424-9300

Prevents crabgrass and other weed grasses

Fertilizer that builds thick, green lawns

Slow Release Nitrogen

Slow Release Nitrogen-helps provide extended grass feeding

Helps Provide Extended Feeding

Phosphate-Free Fertilizer [Only for use on formulations containing zero phosphorus]

Pennington Coated Slow Release Technology, For a longer lasting Green Lawn with No Burning (see attached for log seal)

Controls Crabgrass and Broadleaf Weeds before they germinate

Prevent crabgrass and fertilizer your lawn in one application

Up to 5 MONTH weed and grass control

(Optional Fertilizer Marketing Claims)

Contains slow release Nitrogen for extended greening

Contains slow release Nitrogen for extended feeding

Nitrogen for a lush green lawn

Phosphate improves root growth

Potassium Vital for growth & drought resistance

Phosphate free fertilizer

Optional Marketing Claims

With controlled release nitrogen

Covers up to XXXXX square feet (per application)

Provides Lush, Green Grass

Phosphorous-Free Helping Reduce Phosphorus in Water Sources [Only for use on formulations containing zero phosphorus]

Phosphorous-Free Helping Reduce Phosphorus in Contamination of Water Sources [Only for use on formulations containing zero phosphorus]

Optional Fertilizer Marketing Claims (continued)

See back Panel for Analysis Description

**\*MONEY BACK GUARANTEE**

If you are not completely satisfied with this product, please mail your name, address and proof of purchase (package UPC) and a brief explanation for seeking a refund. Pennington Coated Technology \*When used as directed.

Other Recommended (insert product name) Lawn Products

Effective for up to 5 Months!

If registered in Florida: 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 in 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 regulations for fertilizer use.] [Check with your county or city government to determine if there are local restrictions on fertilizer use or application.] NOTE TO REVIEWER: One of these two statements will appear on the label.

Prevent crabgrass and fertilize your lawn in one application

Super High Iron

Increases efficiency of natural soil elements, including nitrogen, phosphates and potassium! Especially formulated for soil types in the western United States.

With Lawn Fertilizer

Feeds for 3 Months guaranteed!

Prevents up to 200 weeds

Instantly activated by rain or irrigation

Apply in Early Spring & Late Fall

Plus Lawn Food

Quick Spring Green Up after Winter

Stops Crabgrass before it starts

Fast Acting Formula

Prevents Crabgrass All Season Long

Inhibits weed seeds germination and root development

For lush deep green color

With controlled release Nitrogen

Phosphate free fertilizer [Only for use on formulations containing zero phosphorus]

Phosphorus Free – Helping Our Water Sources [Only for use on formulations containing zero phosphorus]

#### **OPTIONAL STATEMENTS**

**APPLICATION LIMITS:** Certain states have limits on fertilizer application rates and timing. Consult your local State Cooperative Extension Service for current information on application limits for [turf/lawn] fertilizers in your area.

 **NOTICE: Cancer** – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

(Optional wording in Florida for non-specialty packaging)

In Florida, for application to golf courses or athletic fields, follow application rates as recommended in the documents entitled (a) University of Florida, Institute of Food and Agricultural Sciences SL191 “Recommendations for N, P, K and Mg for Golf Course and Athletic Field Fertilization Based on Mehlich III Extractant”, revision: October 2013; copies of which may be obtained online at <http://www.flrules.org/Gateway/reference.asp?No=Ref-04700>. (b) “Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses”, published by the Florida Department of Environmental Protection, dated September 2012; copies of which may be obtained online at <http://www.flrules.org/Gateway/reference.asp?No=Ref-04702>; and (c) “Florida Friendly Best Management Practices for Protection of Water Resources by the Green Industries”, published by the

Florida Department of Environmental Protection, Revised December 2008, 2nd Printing 2010; copies of which may be obtained online at <http://www.flrules.org/Gateway/reference.asp?No=Ref-04706>.

(Note: If registered in the state of Florida, any of the following optional statements may be added as appropriate)

In Florida, in Spring or Summer, do not exceed X applications on Bahiagrass in the North, and X applications in Central and South Florida. In Florida, in Fall, do not exceed X applications on Bahiagrass in the North, and X applications in Central and South Florida. Do not exceed X applications in per year the North and X applications per year in Central and South Florida.

In Florida, in Spring or Summer, do not exceed X applications on Bermudagrass in the North, or X applications in Central and X applications in South Florida. In Florida, in Fall, do not exceed X applications on Bermudagrass in the North, or X applications in Central and X applications in South Florida. Do not exceed X applications per year in the North, X applications per year in Central and X application per year in South Florida.

In Florida, in Spring or Summer, do not exceed X applications on Centipedegrass in the North, or X applications in Central and South Florida. In Florida, in Fall, do not exceed X applications on Centipedegrass in the North, or X applications in Central and South Florida. Do not exceed X applications per year in the North, or X applications per year in Central and South Florida.

In Florida, in Spring or Summer, do not exceed X applications on St. Augustinegrass in the North, or X applications in Central and X applications in South Florida. In Florida, in Fall, do not exceed X applications on St. Augustinegrass in the North, or X applications in Central or X applications in South Florida do not exceed X applications per year in the North, or X applications per year in Central, or X application per year in South Florida.

In Florida, in Spring or Summer, do not exceed X applications on Zoysiagrass in the North, In Florida, in Fall, do not exceed X applications on Zoysiagrass. Do not exceed X applications per year in the North, or X applications per year in Central, or X applications per year in South Florida. (Note: may also be expressed in tabular format.)

If Registered In Florida:

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 in 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 regulations for fertilizer use.] [Check with your county or city government to determine if there are local restrictions on fertilizer use of application.]

### **(Optional Marketing Claims)**

Herbicide Benefit Claims



Up to 5 [month] [months of] weed grass control  
 Controls [prevents] crabgrass [and other listed weed grasses] for up to 5 months Covers  
 [5,000 / 7,500 / 10,000 / 15,000] Sq. Ft.  
 Prevents crabgrass and other weed grasses  
 Controls Crabgrass and Broadleaf Weeds Before they Germinate  
 Prevent crabgrass and fertilize your lawn in one application  
 Controls Annual Bluegrass (poa annua), Chickweed, Crabgrass, Spurge [and many other weeds]

#### Fertilizer Benefit Claims

Enhanced Efficiency Fertilizer [- feed more lawn with less fertilizer]  
 Delivers nutrients more efficiently than ordinary fertilizers  
 Quick Greening and Extended Feeding  
 Helps strengthen lawn against heat & drought  
 Good for all grass types  
 [Feeds] [greens] [feeds and greens] for up to [3] [X] months  
 Contains slow release Nitrogen for extended [greening, feeding]  
 [Rich in] Nitrogen for a lush green lawn  
 [Enriched with] Potassium for overall plant vigor  
 Contains potassium for drought & disease resistance  
 Phosphorus Free – [Helping Reduce Phosphorus in Water Sources] [Only for use on formulations  
 containing zero phosphorus] Provides Lush, green grass  
 Promotes thick, full grass  
 You only need [XX] pounds of fertilizer to cover (XXXX) square feet

#### Additional Optional Marketing Claims

##### **Weed Control**

Provides season-long crabgrass control and fertilizes in one application  
 Stops annual crabgrass and other listed annual grassy weeds before they grow  
 Stops crabgrass before it invades and protects all season  
 Season long crabgrass control  
 Controls [prevents] crabgrass [and feeds] all season long [for x months]

##### **General Fertilizer**

100% satisfaction guaranteed or your money back  
 Feeds and strengthens to help protect against future problems  
 Special formula that thickens and promotes a lush, deep green lawn  
 Feeds all season long  
 Feeds for X months  
 [Promotes turf growth] [and] [deepens [turf] [lawn] [grass] roots]

##### **Micro Nutrients**

Enriched with micro-nutrients to revitalize soil

**Iron**

Contains X% iron for [[quick] deep green] [lawn]

For a [deep] green lawn

For a lush, thick deep green lawn

Greens quickly

Added Iron for deeper green

Pre-emergent Control of Crabgrass, Goosegrass, Foxtail, Chickweed, Oxalis, Spurge, Knotweed and Poa Annu

Prevents Listed Annual Grassy and Broadleaf Weeds

For use in all regions

Spring

Summer

Fall

**Optional Text**

The Pennington® [Product Name] Difference

**(Iron and Micros)**

This blended fertilizer is packed with essential plant nutrients to give you the thick, green lawn you desire. It has both fast acting nitrogen for quick greening, and slow release nitrogen for up to 3 months of feeding. There are also added plant nutrients such as iron, magnesium, manganese, copper and zinc, for a deep green and plant vigor.

**(With Iron)**

This blended fertilizer is packed with essential plant nutrients to give you the thick, green lawn you desire. It has both fast acting nitrogen for quick greening, as well as slow release nitrogen for extended feeding for up to 3 months. With X% Iron, this fertilizer will give you a deep, dark green lawn.

**State mandated fertilizer labeling requirements:**

[Note to Supplemental Registrants: Please select the statements relevant to the areas of the country in which your specific product is registered and sold; if any of these statements are relevant to your labeling, please place in the Directions for Use under the heading "State Restrictions"] Application rate cannot exceed the specified maximum use rate found in the directions for use.

☐ ☐ California, Oregon, Washington: "Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>"

☐

☐ Florida: "Apply only to actively growing turf."

☐ 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 regulations for fertilizer use.

☐ Florida: Do not apply to lawns in North Florida in the winter.

☐ Idaho: "Apply only as directed"

☐ Maryland : (If Phosphorous in formula): "This fertilizer contains phosphorus and may not be used on turf in the state of Maryland except when 1) Providing nutrients to specific soils and target vegetation as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under § 8-803.7 of the Agriculture Article, Annotated Code of Maryland, performed no more than 3 years before the application; 2) Establishing vegetation for the first time, such as after land disturbance, provided the application is conducted in accordance with the recommended application rates established by the State; or 3) Reestablishing or repairing a turf area."

☐ Maryland (if Phosphorous is >5% and the product is not labeled as a Lawn Starter – following text featured on the front panel – font size ¾ inch height): NOT FOR USE ON ESTABLISHED LAWNS OR GRASS IN MD

☐ New Jersey: (If Phosphorous in formula): “In the state of New Jersey, this product may be used only when 1) Providing nutrients to specific soils and target vegetation as determined to be necessary pursuant to a soil test conducted by a laboratory identified pursuant to subsection b. of section 6 of P.L.2010, c.112 (C.58:10A-66) and performed no more than three years before the application, and pursuant to the associated annual fertilizer recommendation issued by the New Jersey Agricultural Experiment Station at Rutgers, the State University; 2) Establishing vegetation for the first time, such as after land disturbance, provided the application is in accordance with the standards and requirements established under the “Soil Erosion and Sediment Control Act,” P.L.1975, c.251 (C.4:24-39 et seq.) and the rules and regulations adopted pursuant thereto; 3) Reestablishing or repairing a turf area; or 4) Delivering liquid or granular fertilizer under the soil surface, directly to the feeder roots.”

☐ New Hampshire: (If Phosphorous in formula): In the state of New Hampshire, this product may only be used on 1) Establishing new lawns, for repairing a lawn, for seeding, or for use when a soil test indicates a phosphorus deficiency.

☐ Virginia: In the state of Virginia, this product may be used only on 1) Newly established turf areas from sod or seed during the first growing season; 2) Turf areas being repaired or renovated, and; 3) Turf areas where soil tests performed within the past three years indicate nutrient deficiency.”

13 of 13 002217-00643.20161111.notif-accepted-highlighted(If Phosphorous in formula): In Virginia this lawn/turf fertilizer contains phosphorous and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not for the routine maintenance of turf.

☐☐[Virginia, Florida, Maryland, others] 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 ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK INTO YOUR LAWN/GARDEN.] [Note to Supplemental Registrant: The bracketed part of this statement is not required for liquid products.]

☐ [For products containing Iron:] Keep this product off sidewalks, patios, driveways, etc. This fertilizer contains iron which will stain concrete and painted surfaces. If it comes in contact with concrete surface, sweep off immediately before flushing with water. If concrete is wet when contact occurs, staining may be impossible to prevent. Be careful when using rotary spreaders which scatter fertilizer beyond lawn edge and onto concrete.

☐ [Advisories for fertilizers containing iron:] "This product may stain concrete and stone, where spilling occurs, sweep off immediately, then flush with water." OR "Sweep all residues from concrete surfaces immediately after application. The iron content in this product will stain sidewalks, patios, driveways, swimming pools and deck coatings if not removed before watering. Neither seller nor distributor assumes any responsibility for damage incurred to any surface other than product's intended use."

☐ [Note to Supplemental Distributor: In Kentucky if the product supplies less than 1lb of Nitrogen per application, include the following:] A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing XX pounds of nitrogen per 1,000 square feet [and herbicide to control listed weeds]. Please consult your local extension office for questions regarding a regular fertilizer program [suitable for your geographic region]."

Optional Marketing claims:

Money Back Guarantee

See Back Panel for Details\*

How to Apply, When to Apply

Distributed and Guaranteed by:

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