

32802-66

4/3/2014

1/9



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

April 3, 2014

Wendy Danowski
Howard Johnson's Enterprises, Inc.
9675 S 60th Street
Franklin, WI 53132

Subject: Notification per PR Notice 98-10 (goosegrass minimum rate,
State restrictions, establishment numbers, "other" ingredients)
Crabgrass Preventer Plus with .37 Prodiamine Preemergence Herbicide
EPA Reg. No. 32802-66
Application Dated March 5, 2014

Dear Ms. Danowski:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the subject product. Our review of this request finds that the action falls within the scope of PRN 98-10. The label submitted with the application has been date-stamped "Notification" and placed in our records.

If you have any questions, please contact Mindy Ondish at (703)605-0723 or at ondish.mindy@epa.gov.

Sincerely,

Kathryn V. Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

(A)

EPA

United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide:

Section I

1. Company/Product Number Howard Johnson's Ent./32802-66	2. EPA Product Manager Kathryn Montague	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Howard Johnson's Ent / Crabgrass Preventer Plus with .37 Prodiamine Preemergence	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Howard Johnson's Enterprises, Inc 9675 S 60th Street, Franklin, WI 53132 <input checked="" type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 30(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION APR 03 2014
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.	

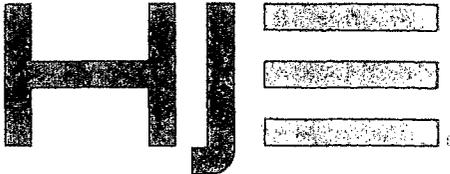
Explanation: Use additional page(s) if necessary. (For Section I and Section II.) Notification per PR 98-10
Notification for Howard Johnson's Crabgrass Preventer with .37 Prodiamine Preemergence; was submitted to correct error on minimum rate for Goosegrass, addition of state requested use restrictions, plus several minor label changes. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. Since this is a notification, we expect no PRIA fee is required. For further information, please contact Wendy Danowski: E-mail: wdanowski@central.com; Telephone: (414) 304-3590

Section III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No.	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
*Certification must be submitted.	If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	<input type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container 10# - 50#		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled Other (paper in clear poly envelope)					

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Wendy Danowski	Title Regulatory Specialist	Telephone No. (Include Area Code) (414) 304-3590
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Specialist	
4. Typed Name Wendy Danowski	5. Date 3-5-14	



Wendy Danowski
Regulatory Specialist

Howard Johnsons Enterprises

9675 S. 60th Street
Franklin, WI, IL 53132-9113

414-304-3590 phone

414-304-3585 fax

w.danowski@hiefertilizer.com

www.hiefertilizer.com

March 5, 2014

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

ATTENTION: K. Montague, PM23

SUBJECT: Howard Johnson's Enterprises EPA Reg No. 32802-66: Crabgrass Preventer
Plus with .37 Prodiamine Preemergence Herbicide

Dear Ms. Montague,

On July 8, 2011, EPA approved a label amendment for the above-named product. The state of California has recently pointed out an error in the label, and we are requesting correction by notification.

The intent of the amendment was to lower the minimum application rate to 2.7 lbs/1000 ft², which is not lower than the lowest rate on other Howard Johnson's Enterprises (HJE) products containing prodiamine. The EPA approved this amendment.

However, it was not intended that the application rate for goosegrass (1st footnote under Directions For use) also be lowered to 2.7 lbs/1000 ft². The net application rate for goosegrass then becomes lower than the application rates recommended on other HJE prodiamine products.

Instead, we would like to correct the lowest application rate for goosegrass (for the 32802-66 product) to be 4.1 lbs/1000 ft². This application rate is consistent with the application rate on other HJE prodiamine products.

The chart below compares the lowest label rate and lowest goosegrass application rate between EPA Reg. Nos. 32802-66 (0.37%) and 32802-70 (0.29%).

EPA Reg. No./% Prodiamine	Current Lowest Net Appl. Rate	Lowest Goosegrass Rate
32802-70 / 0.29%	2.75 lbs/1000 ft ² x 0.0029 = 0.008 lbs prodiamine/1000 ft ²	5.2 lbs/1000 ft ² x 0.0029 = 0.0151 lbs prodiamine/1000 ft ²
32802-66 / 0.37%	2.7 lbs/1000 ft ² x 0.0037 = 0.010 lbs prodiamine/1000 ft ²	2.7 lbs/1000 ft ² x 0.0037 = 0.0118 lbs prodiamine/1000 ft ²
Proposed Revision		
32802-66 / 0.37%	2.7 lbs/1000 ft ² x 0.0037 = 0.010 lbs prodiamine/1000 ft ²	4.1 lbs/1000 ft ² x 0.0037 = 0.0152 lbs prodiamine/1000 ft ²

The 2010 label for 32802-66, with the application rate of 2.7 lbs/1000 ft² for goosegrass, results in a rate that is lower than other HJE prodiamine products. Correction of the goosegrass rate to 4.1 lbs/1000 ft² resolves this issue.

Although PR 98-10 allows some corrections of label errors to be made by non-notification, corrections to the Directions For Use must be processed as a notification or amendment. Since the original change represents an inadvertent math error we ask that this change be processed as a notification.

In addition we are making changes based on state initiated fertilizer restrictions. Because these changes were requested by a government entity we believe that these changes should also be accepted by notification. There are also several other minor label changes as well as the addition of some marketing claims.

Changes made for Notification

1. Correction of minimum rate for Goosegrass.
2. Changed Manufactured by: address.
3. Added additional EPA Establishment numbers.
4. Changed "Inert" to "Other".
5. Added "Pesticide" to Storage in Storage and Disposal Box
6. Added additional marketing claims.
7. Added minor label changes.

Enclosed please find:

- One copy of EPA Form 8750-1
- One copy of label with changes highlighted
- One copy of clean label.

Thank you for your assistance.

Sincerely,
Howard Johnson's Ent., Inc.



Wendy Danowski
Regulatory Specialist

CRABGRASS PREVENTER PLUS WITH .37 PRODIAMINE PREEMERGENCE HERBICIDE

FOR SELECTIVE PREEMERGENCE CONTROL OF GRASS AND BROADLEAF WEEDS IN LAWNS AND ORNAMENTAL TURF

(excluding golf course putting greens),

LANDSCAPE ORNAMENTALS, ESTABLISHED PERENNIALS AND WILDFLOWER PLANTINGS

STOPS MANY UGLY WEED GRASSES BEFORE THEY GROW PREVENTS CRABGRASS, ANNUAL BLUEGRASS, FOXTAIL & MORE

ACTIVE INGREDIENT:

Prodiamine: [N³,N³-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] 0.37%

OTHER INERT INGREDIENTS: 99.63%

TOTAL: 100.00%

EPA Reg. No. 32802-66

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.

Manufactured by:

HOWARD JOHNSON'S ENTERPRISES, INC.

700 W Virginia Street, Milwaukee, WI 53204 1548

9675 S 60th Street, Franklin, WI 53132

NET WEIGHT: 16 lbs (or 18, 20, 25, 30, 36, 40, 50 or 60 lbs)

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.

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

Agricultural Chemical: Do not ship or store with food, feed, drugs or clothing.

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

In the state of Florida, 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 in the driveway, sidewalk, or street, back onto your lawn/garden.

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. 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.
(Alternate wording for household use:)
ENVIRONMENTAL HAZARDS:
To protect the environment, do not allow pesticide 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 not blow pesticide off the treatment 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.

Guaranteed Analysis	
Total Nitrogen (N)	XX.XX%
Available Phosphate (P2O5)	XX.XX%
Soluble Potash (K2O)	XX.XX%
Derived from:	
Chlorine (Cl), not more than XX.XX%	
WARNING: Some crops may be injured by application of boron. This fertilizer is to be used only on crops which respond to molybdenum. Crops high in molybdenum are toxic to ruminants.	

NOTIFICATION
APR 03 2014

First Aid	
If in eyes	<ul style="list-style-type: none">Hold eye open and rinse slowly and gently with water for 15-20 minutes.Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">Take off contaminated clothing.Rinse skin immediately with plenty of water for 15-20 minutes.Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">Call a poison control center or physician immediately for treatment advice.Have person sip a glass of water if able to swallow.Do not induce vomiting unless told to do so by the poison control center or physician.Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none">Move person to fresh air.If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.Call a poison control center or doctor for further treatment advice.
Hot line number:	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.	

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 climactic 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.
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 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; goosegrass; henbit; itchgrass; johnsongrass (from seed); junglerice; knotweed; kochia; lambsquarter, common; lovegrass; panicum (Texas, fall, browntop); pigweed; purslane, common; pusley, Florida; rescuegrass; shepherd's purse; signalgrass, broadleaf; speedwell, Persian; sprangletop; spurge, prostrate; witchgrass; woodsorrel, yellow (from seed).
(Label for EPA Reg. No 32802-66, PAGE 1 OF 5) 03-05-2014

¹In many areas a single application of 2.7 to 9.3 pounds/1000 square feet (~~4.1 to 17.5~~ 4.1 to 17.5 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 2.7 to 4.1 to 6.2 pounds/1000 square feet (~~4.1 to 17.5~~ 4.1 to 17.5 pounds/acre), 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).

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

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 seedling secondary roots are in the second inch of soil (not thatch plus soil). Do not apply to newly set sod until the following year. Application to turf stressed by drought, low fertility, or pest damage may result in turf injury. Disturbing the herbicide barrier with cultural practices (such as core aeration) may result in reduced weed control. Do not apply to putting greens, or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species. Do not apply through any type of irrigation system. Do not apply aerially. Do not graze or feed livestock forage cut from treated areas.

(X depends on N formulation levels)

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

In Florida, do not exceed X applications per year on Bahiagrass in the North, and X per year in Central and South Florida.

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

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

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

In Florida, do not exceed X applications per year on Zoysiagrass in the North, or X applications per year in Central and South Florida.

(Note: May also be expressed in tabular format).

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

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:

¹These are the maximum rates per calendar year.

²May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 3.3 pounds/1000 square feet (145 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.

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. The length of time of residual weed control provided by this product is related to the rate applied. Use the higher rates listed for longer periods of weed control.

WHEN TO OVERSEED AFTER APPLICATION: This product will inhibit germination of turf seed if overseeded too soon after application. Follow rates and intervals in table for best overseeding/ reseeding results.

LANDSCAPE ORNAMENTALS (including established perennials and wildflower plantings): This product may be applied for residual preemergence weed control in ornamentals.

Turf Species	Minimum Rate	Maximum Annual Rate ¹
Bahiagrass, Bermudagrass ²	2.7 lbs / 1000 sq ft (117lbs / acre)	9.3 lbs / 1000 sq ft per year (405 lbs / acre per year)
Centipedegrass, Zoysiagrass		
Seashore Paspalum		
St. Augustinegrass		
Fall Fescue (including turf-type)		
Buffalograss	2.7 lbs / 1000 sq ft (117 lbs / acre)	6.2 lbs / 1000 sq ft per year (270 lbs / acre per year)
Kentucky Bluegrass		
Perennial Ryegrass		
Creeping Red Fescue	2.7 lbs / 1000 sq ft (117lbs / acre)	4.6 lbs / 1000 sq ft per year (202 lbs / acre per year)
Creeping Bentgrass	2.7 lbs / 1000 sq ft (117 lbs / acre)	4.0 lbs / 1000 sq ft per year (175 lbs / acre per year)

Apply at the rate of 2.7 to 9.3 pounds/1000 square feet (117 to 405 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 9.3 pounds/1000 square feet (405 pounds/acre) per year.

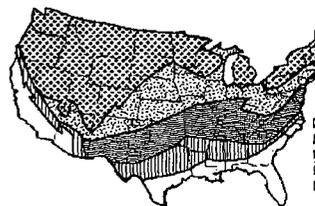
USE RATE	MONTHS BEFORE OVERSEEDING		
	North	Transition	South
2.7 pounds / 1000 sq ft (117 pounds / acre)	4	4	4
3 pounds / 1000 sq ft (135 pounds / acre)	4	4	4
4 pounds / 1000 sq ft (175 pounds / acre)	5	5	4
4.6 pounds / 1000 sq ft (202 pounds / acre)	6	5	5
4.9 pounds / 1000 sq ft (215 pounds / acre)	—	6	6
6.2 pounds / 1000 sq ft (270 pounds / acre)	—	7	7
7 pounds / 1000 sq ft (308 pounds / acre)	—	—	9
8 pounds / 1000 sq ft (350 pounds / acre)	—	—	10

APPLICATION TIMING AND INFORMATION: This product may be applied to newly transplanted and established ornamentals 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.

	4 lbs	6 lbs	7.6 lbs	8.5 lbs	11.5 lbs	17.2 lbs
Spreader A	X	X	X	X	X	X

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



THIS MAP SHOWS APPROXIMATE CRABGRASS GERMINATION DATES

- ☐ After May 30
- ▨ After May 10
- ▩ After April 30
- ▧ After March 20
- January 1 to March 20

SCIENTIFIC NAME	COMMON NAME
Abies spp.	Fir species** (Balsam, Fraser, Noble, etc.)
Abelia grandiflora	Abelia: Sherwood
Acer palmatum	Japanese Maple
A. platanoides	Norway Maple
Achillea spp.	Yarrow: King Edward
Actinidia chinensis	Kiwi*
Agapanthus africanus	Lily-of-the-Nile (African Lily)
Agapanthus orientalis	
Akebia quintata	Five-Leaf or Chocolate Vine
Allium cernuum	Lady's Leek, Nodding Onion
Anemone hybrida	Japanese Anemone
Aquilegia spp.	Aquilegia: Red and Gold
Arctostaphylos densiflora	Vine Hill Manzanita
Arctotheca calendula	Cape Weed
Artemisia spp.	Wormwood; Silver Mound, Castle
Aster spp.	Aster: Bonnie Blue, Purple Dome
Aster X Frikartii	
Athrium Filiz-femina	Lady Fern; Fern Lady
Aucuba japonica	Japanese Aucuba
Begonia spp.	Fibrous Begonia: Hardy Grandis
Berberis gladywensis	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 X Tagliabuana	Trumpet Flower, Madame Galen
Carpobrotus edulis	Hotentot Fig (Ice Plant)
Cassia artemisoides	Feathery Cassia
Ceanothus rigidus	Wild Lilac
Ceratostigma plumbagonoides	
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
Cretaeagus spp.	Hawthorne
Crocsmia spp.	Lucifer
Cupressus sempervirens	Italian Cypress
Delosperma alba	White Trailing Ice Plant
Delosperma spp.	Cooperi Pink
Delphinium spp.	Larkspur: Blue Elf
Dianthus deltoides	Dianthus; Maiden Pinks "Zing"
D. gratianopolitanus	Cheddar Pink
Dodonea viscosa	Hop Bush
Echinacea purpurea	Coneflower, Purple; Magnus
Elaeagnus pungens	Silverberry
Euonymus fortunei	Wintercreeper
E. japonica	Evergreen Euonymus
E. kiautschovica	Spreading Euonymus
Fatsia japonica	Japanese Aralia
Forsythia intermedia	Border Forsythia
Forsythia suspensa	Weeping Forsythia
F. viridissima	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 Beryi	Holly
Ilex cornuta	Chinese Holly
I. 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**
Jasminum nudiflorum	Winter Jasmine
Juniperus chinensis	Chinese Juniper; Nick's Compact, Parsonii
J. conferta	Shore Juniper; Blue Pacific
J. davurica	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)
Lilium spp.	Lily; Jazz
Liriope muscari	Big Blue Lily; Silver Mound, Evergreen Giant
Liriope muscari var. variegata	Liriope, Variegated
Liriope spicata	Liriope, Creeping
Lobelia Cardinalis	Cardinal Flower, Indian Pink
Lonicera japonica	Japanese Honeysuckle
L. tatarica	Tatarian Honeysuckle
Lorapetalum chinense	Burgundy
Lythrum spp.	Loosestrife; Modern Pink
Magnolia spp.	Magnolia species**
Malephora luteola	Ice Plant
Malus spp.	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 Tige
Osteospermum fruticosum	Trailing African Daisy
Oxydendrum arboreum	Sourwood
Paeonia suffruticosa	Tree Peony
Pennisetum setaceum	Fountain Grass (Dwarf)
Perovskia atriplicifolia	
Persea americana	Avocado*
Photinia Fraseri	Fraser's Photinia (Redtip)
Physotegia Virginiana	Dragonhead, False; Vivid
Picea spp.	Spruce species** (Colorado Blue, Norway, etc.)
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. palustris	Longleaf 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 spp.	Pistachio*
Pittosporum rhombifolium	Queensland Pittosporum
P. tobira	Japanese Pittosporum
Podocarpus macrophyllus	Japanese Yew
Prunus laurocerasus	English Laurel
Prunus spp.	Almond, Apricot, Nectarine, Peach, Plum and Prune*
Pseudotsuga menziesii	Douglas Fir**
Pyracantha coccinea	Firethorn (Scarlet)
P. fortuneana	Firethorn
P. koidzumii	Firethorn
Pyrus spp.	Bradford Pear spp.
Quercus shumardii	Oak, Shumard's Red
Quercus spp.	Oak species
Raphiolepis indica	Indian Hawthorne
Raphiolepis umbellata	Yedda Hawthorne
Rhododendron	'Coral Bells,' 'Formosa,' 'Hino-crimson,' 'PJM' (including Azalea)
	'Delaware Valley White,' 'Roseum Elegans,' 'Flame Creeper,' 'Girard Crimson,' 'Wakeiebisu,' 'White Gumbo,' 'George L. Tabor'
Rosa banksiae	Lady Bank's Rose
Rosmarinus officinalis	Rosemary*
Rudbeckia spp.	Black-Eyed Susan; Goldsturm
Santolina virens	Santolina
Saxifraga spp.	Saxifrage; Purple Dome
Scabiosa spp.	Pincushion Flower
Sedum album	Stonecrop
Sedum cauticola	Stonecrop; Lidakense
Sedum dasyphyllum	Stonecrop
Sedum spurium	Stonecrop; Dragon's Blood
Spiraea bumalda	Spiraea; Anthony Waterer
Syzygium paniculatum	Australian Brushcherry
Taxus cuspidata	Japanese Yew
T. media	Yew
Teucrium spp.	Germander
Thalictrum dipterocarpum	Meadow Rue
Thuja occidentalis	American Arborvitae
Trachelospermum asiaticum	Star Jasmine
Tsuga canadensis	Canada Hemlock
Tulipa spp.	Tulip species
Veronica spp.	Veronica, Speedwell; Sunny Border
Viburnum japonicum	Japanese Viburnum
V. odoratissimum	Sweet Viburnum
V. plicatum	Japanese Snowball
V. rigidum	Canary Island Viburnum
V. suspensum	Arrowwood Viburnum
V. tinus	Laurustinus
V. trilobium	Cranberry Bush
V. wrightii	Leatherleaf Viburnum
Vinca major	Greater Periwinkle, Vinca
Vinca minor	Common Periwinkle, Vinca
Vitis spp.	Grape*
Weigela florida	Old Fashioned Weigela
Yucca aloifolia	Spanish Bayonet, Yucca
Y. filametosa	Adam's Needle, Yucca

STORAGE AND DISPOSAL
 Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Store in original container in a locked storage area out of reach of children and domestic animals.
(wording for Commercial use label:)
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.
(Alternate wording for household use:)
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.

(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.

Optional Marketing Claims

- STOPS MANY UGLY WEED GRASSES BEFORE THEY GROW
- 3-5 month Weed Grass Control
- Prevents Crabgrass in Lawns
- Controls Crabgrass and Broadleaf weeds before they germinate
- Up to 5 MONTH weed and grass control
- Prevent crabgrass and fertilizer your lawn in one application

(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 of fertilizer products over the 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.

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 ingredients that cause staining:)

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

(Optional marketing statement when Barricade® is formulated in formula:)

Contains .37 BARRICADE® PREEMERGENCE HERBICIDE
 BARRICADE® is a registered trademark of Syngenta Crop Protection
 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
- Super high Iron! for lush deep green color with controlled release nitrogen
- covers up to XXXXX square feet (per application)

Phosphate free fertilizer

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.

LOOK! For more information, visit us on our website at www.Sta-Green.com

- With Pennington Coated Technology Greens Quickly Feeds for months
- Phosphorus-Free
- PHOSPHORUS FREE – Helping Our Water Sources
- N Nitrogen for lush, green plant growth
- K Potassium for overall plant health and vigor
- Stop Read the entire label first. Observe all precautions and follow directions carefully
- Feeds for 3 months guaranteed*
- *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
- Pennington Coated –Slow Release Technology For a Long Lasting Green Lawn With No Burning*
- *When used as directed.
- Optional Fertilizer Marketing Claims (continued)

For a Beautiful Sta-Green Lawn
 A good fertilization program can keep your lawn green and vigorous. Sta-Green has a wide selection of fertilizers to help you throughout the year.

Sta-Green Crabgrass Preventers
 Use these pre-emergent products to control crabgrass and many other weeds in your lawn before they germinate. Crabgrass preventers are available with or without fertilizer. Use these products in early spring before weeds begin to emerge.

Sta-Green Lawn Fertilizer
 A high nitrogen fertilizer with iron that feeds any established lawn up to 4 months. Use this product anytime during the active growing season.

Sta-Green Weed And Feed
 This post-emergent product controls a wide variety of existing broadleaf weeds while it feeds your desirable grass. Use weed and feeds when weeds are actively growing.

Sta-Green Southern Weed and Feed
 This fertilizer is especially formulated to control a wide variety of broadleaf weeds in Centipede and St. Augustine lawns. Use weed and feeds when weeds are actively growing.

OPTIONAL STATEMENTS

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

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.

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 onto your lawn/garden.

(Optional statement for Proposition 65 in California)
 NOTICE: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

(Optional wording in Florida for non-specialty packaging)
 In the state of Florida, this product should be applied at rates not exceeding those recommended in the document titled Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries

SINGLE PASS DISTRIBUTION:

- For rotary spreaders: Operate at intervals corresponding to the swath width.
- For drop spreaders: Overlap the wheel tracks to ensure complete coverage.
- For best results, apply this product uniformly and avoid streaks, skips or overlaps. Walk at a steady pace to ensure even coverage. Close the spreader opening when turning to change directions or when stopping.

CALIBRATION INSTRUCTIONS AND SPREADER SETTINGS:

Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the recommended rate under actual application conditions.

- To provide proper distribution, calibrate spreader before application.
- For 2.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 500 square feet and adjust to apply at the rate of 1 pound of product per 500 square feet.
- For 2.5 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 400 square feet and adjust to apply at the rate of 1 pound of product per 400 square feet.
- For 3.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 330 square feet and adjust to apply at the rate of 1 pound of product per 330 square feet.
- For 3.2 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 310 square feet and adjust to apply at the rate of 1 pound of product per 310 square feet.
- For 3.4 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 300 square feet and adjust to apply at the rate of 1 pound of product per 300 square feet.
- For 3.6 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 275 square feet and adjust to apply at the rate of 1 pound of product per 275 square feet.
- For 3.8 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 260 square feet and adjust to apply at the rate of 1 pound of product per 260 square feet.
- For 4.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 250 square feet and adjust to apply at the rate of 1 pound of product per 250 square feet.

Bag size / coverage table
 Select the appropriate bag size and present only the information provided for that bag size on the product labeling. Also, equipment settings of drop spreaders, rotary spreaders, and other granular applicators may be presented on the container labels.

Bag Size, Lbs.	Application Rate, Lbs./1000 Sq.Ft. Sq. Ft.	Treated Area for This bag Size	Bag Size, Lbs.	Application Rates, Lbs./1000 Sq.Ft. Sq. Ft.	Treated Area for This bag Size
14	2.7	5,000	28	2.7	10,3750
	3.0	4,670		3.0	9,300
	3.2	4,375		3.2	8,800
	3.4	4,120		3.4	8,200
	3.6	3,890		3.6	7,000
15	4.0	3,500	26	4.0	7,800
	2.7	5,500		2.7	13,300
	3.0	5,000		3.0	12,000
	3.2	4,700		3.2	11,300
	3.4	4,400		3.4	10,500
26	3.6	4,200	37	3.6	10,000
	4.0	3,750		4.0	9,000
	2.7	5,900		2.7	13,700
	3.0	5,300		3.0	12,300
	3.2	5,000		3.2	11,600
17	3.4	4,700	40	3.4	10,900
	3.6	4,400		3.6	10,300
	4.0	4,000		4.0	9,250
	2.7	6,300		2.7	14,800
	3.0	5,700		3.0	13,300
18	3.4	5,000	42	3.4	11,800
	3.2	5,300		3.2	12,500
	3.6	4,700		3.6	11,100
	4.0	4,250		4.0	10,000
	2.7	6,700		2.7	15,600
20	3.0	6,000	45	3.0	14,000
	3.2	5,600		3.2	13,100
	3.4	5,300		3.4	12,400
	3.6	5,000		3.6	11,700
	4.0	4,500		4.0	10,500
25	2.7	7,400	50	2.7	16,700
	3.0	6,700		3.0	15,000
	3.2	6,400		3.2	14,100
	3.4	5,800		3.4	13,200
	3.6	5,700		3.6	12,500
26	4.0	5,000		4.0	11,300
	2.7	9,260		2.7	18,500
	3.0	8,300		3.0	16,700
	3.2	7,800		3.2	15,600
	3.4	7,400		3.4	14,700
26	3.6	6,900		3.6	13,900
	4.0	6,250		4.0	12,500
	2.7	9,630			
	3.0	8,700			
26	3.2	8,100			
	3.4	7,600			
	3.6	7,200			
	4.0	6,250			