



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 2, 2022

Brad Glenn
Director of Regulatory Affairs
Harrell's, LLC
P.O. Box 807
Lakeland, FL 33802

Subject: Notification per PRN 98-10 – Add state fertilizer restrictions and referral statement
Product Name: Turf Fertilizer with Barricade 0.45
EPA Registration Number: 52287-7
Application Date: May 20, 2022
Decision Number: 585490

Dear Brad Glenn:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “NOTIFICATION” and placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements 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 Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, please contact Derek Corbin at 202-566-2571 or at Corbin.Derek@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Mindy Ondish".

Mindy Ondish
Product Manager 23
Herbicide Branch
Registration Division (7505T)
Office of Pesticide Programs

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[Bracketed information is optional] Text separated by / denotes and/or options



PRODIAMINE	GROUP	3	HERBICIDE
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TURF FERTILIZER WITH BARRICADE® 0.45

[Alternate Brand Names: Fertilizer W/ Barricade 0.45%; Harrell's PROtect Professional Fertilizer plus Barricade 0.45%; Turf & Ornamental Fertilizer W/ Barricade 0.45%; Landscape Ornamental Fertilizer W/ Barricade 0.45%]

[Batch Number] [SKU Number] [Fertilizer N-P-K] [Bulk] [Density] [xx lbs. per cu.ft]

FOR PRE-EMERGENCE CONTROL OF WEED GRASSES AND BROADLEAF WEEDS IN ESTABLISHED TURF GRASSES, LAWNS, GOLF COURSE FAIRWAYS AND SOD FARMS, (NOT FOR PUTTING GREENS). USE FOR PRE-EMERGENCE WEED CONTROL AROUND LANDSCAPE ORNAMENTALS INCLUDING ESTABLISHED PERENNIALS AND WILDFLOWER PLANTINGS.

ACTIVE INGREDIENT:

Prodiamine:*** 0.45%

OTHER INGREDIENTS:..... 99.55%

Total..... 100.00%

***CAS 29091-21-2

(Note to PM- CAS number may appear on the front or back panel)

NOTIFICATION

52287-7

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

08/02/2022

EPA Reg. No. 52287- 7

EPA Est. No. 52287-FL-1

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

READ ENTIRE LABEL BEFORE USING

[See additional Precautionary Statements, First Aid, and Directions for Use inside label]

NET WEIGHT: 50 lb (22.7 kg) [or: 1,000 lb, or 2,000 lb or bulk trailer]

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FIRST AID

If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor 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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eyes 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. • Call a poison control center or doctor for treatment advice.
If on skin:	<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 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.
Have the product container or label with you when calling a poison control center, or doctor, or when going for treatment.	

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 frequent repeated skin contact while handling the material may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long sleeved shirt and long pants, chemical resistant gloves such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, and Viton ≥14 mils, shoes plus socks and a dust mask. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should: Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At 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.

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AQUATIC ORGANISM ADVISORY STATEMENT: 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 area may be hazardous to aquatic organisms in adjacent sites. 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 to the treated site. Protect the forage and habitat of non-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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. This product is a turf fertilizer and a preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses, golf courses (excluding putting greens), for sod farms, and lawns, and around landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seed germination and root development.

Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (sod farms, commercial nurseries).

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls; chemical resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, and Viton ≥ 14 mils; shoes plus socks.

NON-AGRICULTURAL USES REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The "WPS" applies when this product is used to produce agricultural plants on farms, forests or nurseries. Applicators and handlers should wear long-sleeved shirt, long pants, chemical resistant gloves, shoes with socks and protective eyewear. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Launder exposed clothing before reuse. Do not allow reentry to treated areas until dusts have settled and the turfgrass or soil is dry.

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WEED-RESISTANCE MANAGEMENT

For resistance management, Turf Fertilizer with Barricade® 0.45 contains the active ingredient Prodiamine, a Group 3 Herbicide as determined by the mode of action (MOA) classification system of the Weed Science Society of America. Any weed population may contain or develop plants naturally resistant to Fertilizer with Turf Fertilizer with Barricade® 0.45 Group 3 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. Continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

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

- Rotate the use of Turf Fertilizer with Barricade® 0.45 and 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.
- Adopt an integrated weed-management program for herbicide use that includes:
 - Scouting and uses historical information related to herbicide use and crop rotation, and
 - Consideration of tillage (or other mechanical control methods), and
 - Cultural (e.g., higher crop seeding rates), and
 - Precision fertilizer application method and timing to favor the crop and not the weeds), and
 - Biological (weed-competitive crops or varieties) and other management practices.
- Scout fields prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective.
- Scout fields after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
 - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds, or
 - A spreading patch of non-controlled plants of a particular weed species or,
 - Surviving plants mixed with controlled individuals of the same species.
- If resistance is suspected, prevent weed seed production in the affected area by using 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 and switch to another management strategy or herbicide with a different mode of action, if available.
- 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.
- Report any incidence of local non-performance of this product against a particular weed species to your [Harrell's] [company] representative at (800) 282-8007, [and/or at <https://www.harrells.com>].

BEST MANAGEMENT PRACTICES

Proactively develop and implement diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides. A diversified program may include the use of herbicides

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with different modes of action along with cultural, mechanical, and/or biological practices. Best management practices include the following:

- To the extent possible, use a diversified approach toward weed management. Whenever possible incorporate multiple weed-control practices such as mechanical cultivation, biological management practices, and crop rotation.
- Plant into weed-free fields and keep fields as weed-free as possible.
- Identify weeds present in the field through scouting and field history and understand their biology. The weed-control program should consider all the weeds present. Apply this herbicide at the correct timing and rate needed to control the most difficult weed in the field.
- Fields with difficult to control weeds should be rotated to crops that allow the use of herbicides with alternative modes of action (MOA) or different management practices.
- Difficult to control weeds may require sequential applications of herbicides with differing MOA's.
- Prevent field-to-field and within-field movement of weed seed or vegetative propagules. Thoroughly clean plant residues from equipment before leaving fields.
- To the extent possible do not allow weed escapes to produce seeds, roots or tubers. Manage weed seeds at harvest and post-harvest to prevent a buildup of the seed seedbank.
- If resistance is suspected, treat weed escapes with a herbicide with a different MOA than those in this product or use non-chemical methods to remove escapes.

DRIFT ADVISORY

WIND: Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment. The size and bulk density of granules in this product may vary; therefore, calibrate your granular applicator prior to application. A calibrated applicator must be used. Follow directions in the owner's manual for calibrating your applicator.

APPLICATION RATES

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. The length of time of residual pre-emergence weed control provided by this product is related to the rate applied. The maximum use rate selection must be based on turf species.

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WEEDS CONTROLLED

When used in accordance with this label this product will provide control of the following weeds:		
Barnyardgrass	Henbit	Purslane, Common
Bluegrass, Annual (<i>Poa Annua</i>)	Itchgrass	Pusley, Florida
Carpetweed	Johnsongrass (from seed)	Rescuegrass ⁽³⁾
Chickweed, Common	Junglerice	Shepherd’s Purse ⁽²⁾
Chickweed, Mouseear (from seed)	Knotweed	Signalgrass, Broadleaf
Crabgrass (Large, smooth)	Kochia	Speedwell, Persian
Crowfootgrass	Lambsquarter, Common	Sprangletop
Cupgrass, Woolly	Lovegrass	Spurge, Prostrate
Foxtails, Annual	Panicum (Texas, Fall, Browntop)	Witchgrass
Goosegrass ⁽¹⁾	Pigweed	Woodsorrel, Yellow (from seed)

⁽¹⁾ In many areas a single application of 144 to 333 lbs. per acre will control Goosegrass. However, under heavy Goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 144 to 222 lbs per acre followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Application Rate section. Do not exceed the maximum rates in the Maximum Annual Application Rate section.

⁽²⁾ Application for Shepherd’s Purse should be made in late summer, fall or winter prior to germination.

⁽³⁾ Suppression only of Rescuegrass.

Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rates. All applications must be made prior to germination of the weed seeds.

USE RESTRICTIONS

- Do not apply this product 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. 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 cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year.

USE PRECAUTIONS

- Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
- 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 disking may result in reduced weed control.

MAXIMUM ANNUAL APPLICATION RATES

This product is for use on the turf grass species listed below and on landscape ornamental species as listed in the Tolerant Ornamental Species section of this label. Do not exceed the maximum yearly rate as given in the following table:

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TURF GRASS		
MAXIMUM ANNUAL APPLICATION RATE BY TURF GRASS SPECIES ⁽¹⁾		
Turf Species	Lbs. product/A	Lbs. ai/A
Creeping Bentgrass	144 lbs.	0.65 lbs.
Creeping Red Fescue	167 lbs.	0.75 lbs.
Buffalograss	222 lbs.	1.00 lbs.
Kentucky Bluegrass	222 lbs.	1.00 lbs.
Perennial Ryegrass	222 lbs.	1.00 lbs.
Bermudagrass ⁽²⁾	333 lbs.	1.50 lbs.
Bahiagrass	333 lbs.	1.50 lbs.
Centipedegrass	333 lbs.	1.50 lbs.
Seashore Paspalum	333 lbs.	1.50 lbs.
St. Augustinegrass	333 lbs.	1.50 lbs.
Tall Fescue (including turf type)	333 lbs.	1.50 lbs.
Zoysia	333 lbs.	1.50 lbs.
MAXIMUM ANNUAL APPLICATION RATE FOR LANDSCAPE ORNAMENTALS		
Tolerant Ornamental Species	333 lbs.	1.50 lbs.

(1) These are the maximum rates per calendar year by species limitations.

(2) May be used on newly-sprigged or plugged bermudagrass at rates not to exceed 116 lbs. per acre. Newly-sprigged or plugged bermudagrass stolon rooting may be temporarily retarded. Suppression only of foxtail, goosegrass and rescuegrass due to reduced product rates used in sprigging situations. Do not apply more than 333 lbs. of this product to the same area per calendar year. Use higher rates of product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Application Rate section.

ESTABLISHED TURF

This product is a pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds listed in the Weeds Controlled Table in established turf grass and lawns. The maximum amount of material that may be applied per year is given for each turf grass species in the Maximum Annual Application Rate table. Most effective weed control in turf grasses will be obtained when this product is activated by at least ½ inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map for approximate crabgrass seed germination dates.



- 1: Mid-north & northwestern.....After May 30
- 2: Upper/mid-states & northeast.....After May 10
- 3: Lower mid-states.....After April 20
- 4: Upper southern states.....After March 20
- 5: Warm season states.....January 1 to March 20

WHEN TO APPLY AFTER OVERSEEDING TURF

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Delay seeding for 60 days after application 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.

WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding and or reseeding results.

Months Before Overseeding*				
Product Rate Lbs./A	Lbs. ai/Acre	North	Transition*	South
111	0.50	4	4	4
144	0.65	5	4	4
167	0.75	6	5	5
178	0.80	-	6	6
222	1.00	-	7	7
253	1.14	-	-	9
289	1.30	-	-	10
333	1.50	-	-	12

*Transition states are: DE, MD, VA, WV, KY, MO, KS; North states are those north of transition states; South states are those south of transition states. States west of KS should follow timing for North or South depending on turf type: Cool Season or Warm Season.

LANDSCAPE ORNAMENTALS INCLUDING ESTABLISHED PERENNIALS AND WILDFLOWER PLANTINGS

This product may be applied for residual pre-emergence weed control around ornamentals and wildflowers listed on this label.

USE RATES

Apply at 144 to 333 lbs. per acre of landscape plants, 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 333 lbs. per acre.

APPLICATION TIMING AND INFORMATION

Apply uniformly to the surface of the soil in ornamental planting beds with a granular applicator. This product is a pre-emergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least ½ inch of rainfall or irrigation, or with shallow (1 to 2 inches) mechanical incorporation, prior to weed seed germination and within 14 days following application. Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate post-emergence herbicide.

ESTABLISHED LANDSCAPE ORNAMENTALS

This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate this product in the soil.

NEWLY TRANSPLANTED ORNAMENTALS

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This product may be applied to newly transplanted ornamentals as a broadcast, over the top, or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply after cuttings from roots have become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union. Irrigate after application as above directed.

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 this 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.

FOR USE AROUND LANDSCAPE ORNAMENTALS, INCLUDING ESTABLISHED PERENNIALS AND WILDFLOWERS, AS LISTED.

Scientific Name	Common name	Scientific Name	Common name
Abies spp.	Fir Species**	Hedera helix	English Ivy
Abelia grandiflora	Abelia: Sherwood	Helianthemum sp.	Sunrose
Acer palmatum	Japanese Maple	Hemerocallis sp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
A. platanoides	Norway Maple	Hibiscus**	Rose of Sharon**
Achillea, sp.	Yarrow: King Edward	Hibiscus sp.	Mallow: Disco Belle White
Actinidia chinensis*	Kiwi*	Hibiscus rosa-sinensis	Chinese Hibiscus
Agapanthus africanus	Lily-of-the-Nile (African Lily)	Hosta plantaginea	Hosta, Plantain Lily (Fragrant)
Agapanthus orientalis		H. sieboldiana	Hosta, "Searsucker"
Akebia quintata	Five-Leaf or Chocolate Vine	Houttuynia cordata var. Variegata	
Allium cemuum	Lady's Leek, Nodding Onion	Hydrangea macrophylla	Bigleaf hydrandea
Anemone hybrid	Japanese Anemone	Ilex cornuta	Chinese Holly
Aquilega sp.	Aquilegia: Red and Gold	I. crenata	Japanese Holly; Helli
Arctostaphylos densiflora	Vine Hill Manzanita	I. opaca	American Holly
Arctotheca calendula	Cape Weed	I. pernyi	Holly
Artemesia sp.	Wormwood: Silver Mound, Castle	I. vomitoria	Yaupon Holly; Schillings
Aster sp.	Aster: Bonny Blue, Purple Dome	Inula ensifolia	
Aster X Frikartii		Iris ensata	Sword-Leaved iris; Jodlesong
Athrium Filiz-femina	Lady Fern: Fern Lady	Iris siberica	Siberian Iris; Cabernet
Aucuba japonica	Japanese Aucuba	Iris spp.**	Iris species**
Begonia sp.	Fibrous Begonia: Hardy Grandis	Jasminium nudiflorum	Winter Jasmine
Berberis gladwynensis	Barberry	Juniperus chinensis	Chinese Juniper; Nick's Compact, Parsonii
B. julianae	Wintergreen Barberry	J. conferta	Shore Juniper; Blue Pacific
B. mentorensis	Mentor Barberry	J. davurica	Parsoni
B. thunbergii	Japanese Barberry	J. horizontalis	Creeping Jupiter
B. verruculosa	Warty Barberry	Juglans sp.*	Walnut*
Bergenia cordifolia		Justicia brandegeana	Shrimp Plant
Boltonia asteroides	Snowbank	Lagerstromia indica	Crape Myrtle

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Bougainvillea spp.	Bougainvillea	Lagerstromia indica X Fauriei	Crape Myrtle; Tuscarora
Buddleia davidii	Butterfly-Bush (Dwarf Blue); Royal Red	Lantana montevidensis	Weeping Lantana
Buxus microphylla	Japanese Boxwood	Lavender sp.	Lavender; Munstead
Callistermon viminalis	Weeping Bottlebrush	Leontopodium alpinum	Edelweiss
Calluna vulgaris	Scotch Heather	Ligustrum sinense	Chinese Privet; Variegata
Campanula carpatica	Tussock Bellflower (White Clips)	L. amurense	Amur Privet
Campis X Tagliabuana	Trumpet Creeper, Trumpet Flower, Madame Galen	L. japonicum	Japanese Privet
Carpobrotus edulis	Hottentot Fig (Ice Plant)	L. lucidum	Glossy Privet (Waxleaf)
Cassia artemisoides	Feathery Cassia	Lillum sp.	Lily; Jazz
Ceanothus rigidus	Wild Lilac	Liriope muscari	Big Blue Lily; Turf; Silver Mound; Evergreen Giant
Ceratostigma Plumbagonoides		Liriope Muscari var. Variegata	Liriope, Variegated
Chamaecyparis pisifera	False Cypress	Lirope spicata	Liriope, Creeping
Chrysanthemum nipponicum		Lobelia Cardinalis	Cardinal Flower, Indian Pink
Cleyera japonica	Cleyera	Lonicera japonica	Japanese Honeysuckle
Citrus spp.*	Citrus species*	L. tatarica	Tatarian Honeysuckle
Coreopsis sp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam	Loropetalum Chinese	Burgundy
Cornus florida	Flowering Dogwood	Lythrum sp.	Loosestrife; Modern Pink
C. stolonifera	American Dogwood	Magnolia spp.**	Magnolia species**
Cortaderia selloana	Pampas Grass	Maleophora luteola	Ice Plant
Cotonneaster apiculatus	Cranberry Cotoneaster	Malus sp.*	Crabapple*
C. buxifolius	Cotoneaster	Miscanthus sinensis	Yaku Jima, Silberfeder
C. dammeri	Bearberry Cotoneaster	Nandina domestica	Heavenly Bamboo
C. microphyllus	Rockspray Cotoneaster	Narcissus spp.**	Narcissus species**
Cretaeus spp.	Hawthorne	Nerium oleander	Oleander
Crocsmia sp.	Lucifer	Olea europea*	Olive*
Cupressus sempervirens	Italian Cypress	Ophiopogon japonicas	Mondo Grass
Delosperma alba	White Trailing Ice Plant	Osmanthus heterphyllus	Osmanthus (False Holly); Gulf tide
Delosperma sp.	Cooperi Pink	Osteospermum fruticosum	Trailing African Daisy
Delphinium sp.	Larkspur: Blue Elf	Oxydendrum arboretum	Sourwood
Dianthus deltoids	Dianthus: Maiden Pinks "Zing"	Paeonia suffruticosa	Tree Peony
D. gratianopolitanus	Cheddar Pink	Pennisetum setaceumi	Fountain Grass (Dwarf)
Dodonea Viscosa	Hop Bush	Perovskia atriplicifolia	
Echinacea purpurea	Coneflower, Purple; Mangus	Persea Americana	Avocado*
Elaeagnus pungens	Silverberry	Photinia fraseri	Frasier's Photinia ((Redtip)
Euonymus fortune	Wintercreeper	Physotegia Viginiana	Dragonhead, False; Vivid
E. japonica	Japanese Spindle Tree (Evergreen Euonymus)	Picca spp.**	Spruce species**(Colorado Blue, Norway, etc.)
E. kiautschovica	Spreading Euonymus	Pieris japonica	Lily-of-the-Valley Bush
Fatsia japonica	Japanese Aralia	Pinus brutia	Calabrian Pine
Forsythia intermedia	Border Forsythia	P. canariensis	Canary island Pine
F. suspense	Weeping Forsythia	P. elliottii	Slash Pine
F. viridissima	Greenstem Forsythia	P. halepensis	Aleppo Pine

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[Bracketed information is optional] Text separated by / denotes and/or options

Gaillardia sp.	Gaillardia, Blanket Flower: "Goblin"	P. nigra	Austrian Pine
Gardenia jasminoides	Gardenia, Cape-Jasmine, Radicans	P. palustris	Longleaf Pine
Gaura sp.		P. radiate	Monterey Pine
Gentiana dahurica	Gentian	P. thunbergiana	Japanese Black Pine
Geranium cinereum	Cranesbill	P. strobilus	Eastern White Pine
Gladiolus spp.**	Gladiolus species**	P. Sylvestris	Scotch Pine
Gypsophila repens	Baby's Breath	P. taeda	Loblolly Pine
P. virginiana	Virginia Pine	Sedum spurium	Sonocrop; Dragon's Blood
Pistachio sp.*	Pistachio*	Spiraea Bumalda	Spirea; Anthony Waterer
Pittosporum rhombifolium	Queensland Pittosporum	Syzygium paniculatum	Australian Brushcherry
P. tobira	Japanese Pittosporum	Taxus cuspidate	Japanese Yew
Posocarpus Macrophyllum	Japanese Yew	T. media	Yew
Prunus fauocerasus	English Laurel	Teucrium sp.	Germander
Prunus sp.*	Almond, Apricot, Nectarine, Peach, Plum and Prune*	Thalictrum dipterocarpum	Meadow Rue
Pseudotsuga menziesii**	Douglas Fir**	Thuja occidentalis	American Arborvitae
Pyracantha Coccinea	Firethorn (Scarlet)	Trachelospermum asiaticum	Star Jasmine
P. fortuneana	Firethorn	Tsuga Canadensis	Canada Hemlock
P. koidzumii	Firethorn	Tulipa spp.	Tulip species
Pyrus Sp.	Bradford Pear sp.	Veronica sp.	Veronica, Speedwell; Sunny Border
Quercus Shumardii	Oak, Shumard's Red	Viburnum japonicum	Japanese Viburnum
Quercus spp.	Oak species	V. odoratisimum	Sweet Viburnum
Raphiolepis indica	Indian Hawthorne	V. plicatum	Japanese Snowball
Raphiolepis umbellate	Yedda Hawthorn	V. rigidum	Canary Island Viburnum
Rhododendron (including Azalea)	'Coro Bells' 'Delaware, Valley White', 'Flame Creeper', 'formosa', 'Girard Crimson', George L. Tabor', Hino- crimson', 'PJM', 'Roseum Elegans', 'Wakeiebisu', 'White Gumbo'	V. suspensum	Arrowwood Viburnum
Rosa banksiae	Lady Bank's Rose	V. tinus	Laurustinus
Rosmarinus officinalis*	Rosemary*	V. trilobium	Cranberry Bush
Rudbeckia sp.	Black-Eyed susan; Goldstrum	V. wrightii	Leatherleaf Viburnum
Santolina, virens	Santolina	Vinca major	Greater Periwinkle, Vinca
Saxifraga sp.	Axifrage; Purple Dome	Vinca minor	Common Periwinkle, Vinca
Scabiosa sp.	Pincushion Flower	Vitis Sp.*	Grape*
Sedum album	Stonecrop	Weigela florida	Old Fashioned Weigela
Sedum caudicola	Stonecrop; Lidakense	Yucca aloifolia	Spanish Bayonet, Yucca
Sedum dasyphyllum	Stonecrop	Y. filaentosa	Adam's Needle, Yucca

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

**Do not use on container grown plants.

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STORAGE AND DISPOSAL

PESTICIDE STORAGE

Do not store above 120°F. Store in a cool, dry, and locked storage area inaccessible to children and domestic animals. Do not contaminate water, food or feed by storage or disposal.

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

For 50, 1000, or 2000-pound bags and totes:

Non-refillable container. Do not reuse or refill this container, offer for recycling if available. Completely empty container into application equipment. Dispose of empty container in a sanitary land fill or by other procedures allowed by state and local authorities.

For Killebrews and other bulk transport vehicles:

Refillable container: Container handling instructions are not required. Cleaning before refilling is the responsibility of the refiller.

(End Directions for Use)

[Turf Fertilizer with Barricade® 0.45]

Guaranteed [Fertilizer] Analysis [N-P-K]

Total Nitrogen (N).....XX%

XX % Ammoniacal Nitrogen

XX % Urea Nitrogen*

Available Phosphate(P₂O₅).....XX%

Soluble Potash (K₂O).....XX%

Derived from: e.g.: Polymer-Coated Urea, Urea, Ammonium Phosphate, Muriate of Potash.

*X% Slowly Available/Slow Release/Controlled release nitrogen from polymer-coated urea.

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

F-352 (***Florida Fertilizer License Number***)

[Fertilizer] [Density] [Bulk Density]

[Any other state specific fertilizer required language]

(Note to PM : Appropriate fertilizer specific information will be inserted on Final Printed Label to replace "X".)

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CONDITIONS OF SALE AND WARRANTY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties, and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Harrell's, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of Harrell's, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Harrell's, LLC disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at Harrell's, LLC option, the replacement of the product.

Manufactured By/Manufactured For/Sold By/ [and Guaranteed By]

Harrell's, LLC
P. O. Box 807
Lakeland, FL 33802

[***CAS 29091-21-2]

(Note to PM: CAS No. may appear on the front or back panel)

[Growing a Better World® is a registered trademark of Harrell's, LLC]

[BARRICADE® IS A REGISTERED TRADEMARK OF SYNGENTA.INC]

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Optional Marketing Claims and Logo's

(Note: The following logos and/or claims may or may not be used on the FPL)

Company Specific Information

(Harrell's Corporate Logo)



The Harrell's logo and "Growing a Better World" are registered trademarks of Harrell's, LLC

(Harrell's "H" Logo)



Contact us/ For more information

[call] 800.282.8007

[or] [visit us at] www.harrells.com

[or] use the QR code to visit Harrell's website

[Insert] QR Code Image *(Note to PM: If QR code is used, the link will be to the company website home page)*

Fertilizer Claims

Contains/Formulated with/ Harrell's PROFertilizer

Turf Fertilizer with Barricade 0.45% is part of the Harrell's PROFertilizer portfolio/line/family of products

Contains Polyon® Slow release/controlled release/slowly available
nitrogen/phosphate/potassium/fertilizer

Polygon® Turf Fertilizer

Polygon® [ST] [short term] - release fertilizer]

Polygon® [ST] – Distributed exclusively by Harrell's

Powered by Polygon® [Controlled]-Release Fertilizer

Polygon® is a registered trademark of **Harrell's Coatings Solutions, LLC.** ~~Koch Agronomic Services~~

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Optional State Fertilizer Restriction Statements

(Note to PM: Fertilizer composition of products distributed in states with nitrogen and phosphorus fertilizer application restrictions will be formulated to contain percentages of nutrients that meet state fertilizer restrictions when applied according to the application rates for the active ingredient as specified in the Directions for Use.)

(Note to PM: Appropriate statement to be inserted in the Application Restrictions Section of Label as necessary for State specific fertilizer restriction language regarding application of nitrogen and phosphorus.)

[["In MD, NH, NJ, VA: Application rates of soluble nitrogen are not to exceed 0.7 lb. soluble N/1000 sq.ft/application."]]

[And/Or]: ["In NH, NJ, VA: Application of a product containing phosphorus to turf is limited to establishing turf in the first growing season."]

[And/Or]: "Florida specific requirements for fertilizer use. For applications to Sports Turf, Golf Courses, Parks and Athletic Fields: Do not exceed fertilizer rates recommended in the document titled SL 191, "Recommendations for N,P,K and Mg for Golf Course and Athletic Field Fertilization based on Mehlic III Extractant."

[And/Or: Other state specific fertilizer language that may be required.]

[For Fertilizer Mixtures Containing Nitrogen]: [It is a violation of law in [Maryland][New Jersey][New Hampshire][list state(s)] to apply this product to turf at a rate that results in greater than 0.7 lb per 1,000 sq.ft. of readily available nitrogen, or more than 0.9 lb per 1,000 sq.ft. of total nitrogen, with at least 20% of which shall consist of slow release nitrogen, per application. Additional restrictions apply to total nitrogen applied to turf per season.]

(Note to PM: Products sold in Florida: The following statement shall be placed in the Directions for Use section (see that section above in label) [Products sold 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.]

[Virginia applications:] [Apply no more than 0.7 lb per 1,000 sq. ft. of readily available nitrogen during any given 30-day period. Apply no more than 0.9 lb (cool season grasses) or 1.0 lb (warm season grasses) per 1,000 sq. ft. of total nitrogen, with at least 20% of which shall consist of slow release nitrogen, during any given 30-day period.]

[For Fertilizer Mixtures Containing Phosphorus]:

[For starter lawns in MD]: [In Maryland, a soil test is not required for a new lawn. Apply either 2 lbs. of phosphorus per 1,000 sq. ft. initially or apply 1 lb. of phosphorus per 1,000 sq. ft. twice during the starter year. On established turf, this product must be used 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.] [Other state and local restrictions may apply]

[In Maryland] [For levels of phosphorus above 5%]: [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

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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. Not for use on established lawns or grass in Maryland.]

[For all %'s of phosphorus-containing fertilizers in VA]:

[Virginia Applications]: [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 & Maryland:] [When applied as directed, [we]/[Harrell's] guarantees the [controlled release]/[slow release]/[polymer-coated]/[Enhanced Efficiency] nitrogen fertilizer in this product will release at a rate not to exceed 0.7 lb. N/1,000 sq. ft./month.]

[Maryland Applications:] [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 and garden].]