

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

April 17, 2020

James McFadden, PhD. Regulatory Consultant Gro Tec, Inc. P.O. Box 290 Madison, GA 30650

Subject: Registration Review Label Mitigation for Prodiamine Product Name: Pennington Crabgrass Preventer 275 W/ Fertilizer EPA Registration Number: 59144-17 Application Dates: 7/11/2019 Decision Numbers: 553053

Dear Dr. McFadden:

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

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 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) list 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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

Page 2 of 2 EPA Reg. No. 59144-17 Decision No. 553053

If you have any questions about this letter, please contact Darius Stanton by phone at 703-347-0433, or via email at <u>Stanton.darius@epa.gov</u>.

Sincerely,

2 2

Linda Arrington, Branch Chief Risk Management and Implementation Branch 4 Pesticide Re-Evaluation Division Office of Pesticide Programs

Enclosure

# ACCEPTED

Apr 17, 2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. \_\_\_\_\_\_

<sup>•g.</sup> №<sup>0.</sup> 59144-17

PRODIAMINE GROUP **3** HERBICIDE

# Pennington Crabgrass Preventer 275 with Fertilizer

[(Select marketing claims from "Marketing Claims" section))

Active Ingredient:	
Prodiamine (CAS No. 29092-21-2)	0.275%
Other Ingredients	
Total	100.000%

## Keep Out of Reach of Children CAUTION

See back panel for First Aid and additional Precautionary Statements.

EPA Reg. No. 59144-17

EPA Est. No.

Net Wt.:\_\_\_\_lbs. (5 through 50 lbs.)

## Guaranteed Fertilizer Analysis 28-3-4 [Code]

{Back Panel}

**First Aid** 

If in Eyes	• Hold eye open and rinse slowly and gently with water for $15 \cdot 20$ minutes.	
	• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.	
	<ul> <li>Call a Poison control center or doctor for treatment advice.</li> </ul>	
If on Skin	Take off contaminated clothing.	
	<ul> <li>Immediately rinse skin with plenty of water for 15-20 minutes.</li> </ul>	
	Call a poison control center or doctor for treatment advice.	
If Inhaled	Move person to fresh air.	
	• If person is not breathing, call 911 or an ambulance, then give artificial respiration,	
	preferably by 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 going for		
treatment.[You may also contact 1-800-424-9300 for emergency medical treatment information.]		
<u> </u>		

{Note: The FIrst Ald statements' grid format will be used If market label space permits; otherwise a paragraph format will be used.}

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Thoroughly wash with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material 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 organism in adjacent sites. Do not contaminate water when disposing of equipment wash waters.

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 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

#### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. **Pesticide Storage**: Store in original container [bag] in a cool, dry (preferably locked) storage area inaccessible to children and pets. Store away from feed or food stuffs and separated from other fertilizers and pesticides. Keep bag closed when product is not being used. **Pesticide/Container Disposal: If empty:** Non-refillable container; do not reuse or refill this container. **If empty** Place in trash or offer for recycling, if available. **If partly filled**: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

(Per PR Notice 2007-4 the batch code/lot number will appear on the label or container.)

This product is a selective preemergent herbicide that provides residual control of many grass and broadleaf weeds in

- established turf grasses (excluding golf course putting greens) and lawns
- landscape ornamentals
- established perennials and wildflower plantings.

This product controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control is obtained when this product is activated by at least 1/2 [0.5] inch of rainfall or irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown for sale or other commercial use, commercial seed production, or 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 (excluding putting greens) or lawns and grounds.

Do not graze or feed livestock forage cut from areas treated with this product. Do not apply this product through any type of irrigation system. 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.

#### WEED RESISTANCE MANAGEMENT

For resistance management, Pennington Crabgrass Preventer 20 with Fertilizer 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 Pennington Crabgrass Preventer 20 with Fertilizer 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 1-800-285-7333. 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.

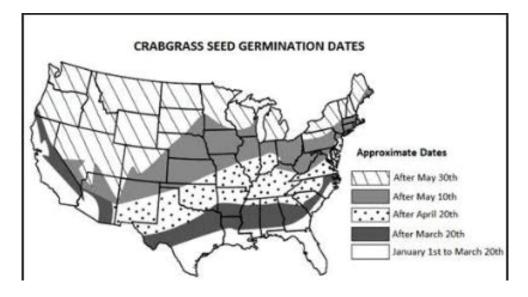
#### Application Directions

Uniformly apply using suitable, calibrated application equipment.

#### Established Turf

This product is a selective preemergent herbicide that, when properly applied, controls certain grass and broad leaf weeds in established turf grasses and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the *Maximum Annual Rates* section of this label.

Most effective weed control in turf grasses is obtained when this product is activated by at least 1/2 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See map for approximate crabgrass seed germination dates.



#### **Use Precautions**

The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) 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. (3) Do not cut treated sod within 120 days after application. Do not apply to newly set sod until the following year. (4) Application to turf stressed by drought, low fertility or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. (6) Do not apply this product to putting greens or areas where dichondra, Colonial bentgrass, velvet bentgrass or annual bluegrass *(Poa annua)* are desirable species.

#### Rates of Application

Apply this product 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. Base the maximum use rate selection on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Maximum Annual Rates

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate of This Product per Calendar Year By Turf Grass Species1			
Turf Species	Lbs. Product/A	Lbs. Product	Lbs Al/A
		/100 Sq. Ft.	
Bermudagrass2, Bahiagrass, Centipedegrass,	546	1.25	1.5
Seashore Paspalum, St. Augustinegrass, Tall			
Fescue (including turf type), Zoysia			
Buffalograss, Kentucky Bluegrass, Perennial	364	0.84	1.0
Ryegrass			
Creeping Red Fescue	273	0.63	0.75
Creeping Bentgrass	236	0.54	0.65

/A = per Acre A.I. = Active Ingredient

1These are the maximum rates per calendar year by species limitations. 2May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 188 lbs./A (0.43 lbs./100 sq. ft.). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Only suppresses Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

Do not apply more than 546 lbs./A (1.25 lbs./100 sq. ft.) of this product per calendar year.
Use higher rates of this 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 Rates* table.

Weeds Controlled

When used in accordance with this label this product controls the following weeds:

· · ·		
Barnyardgrass	Henbit	Purslane, Common
Bluegrass, Annual <i>(Poa</i>	Itchgrass	Pusley, Florida
annua)	Johnsongrass (from seed)	Rescuegrass <sup>2</sup>
Carpetweed	Junglerice	Shepherd's Purse <sup>3</sup>
Chickweed, Common	Knotweed	Signalgrass, Broadleaf
Chickweed, Mouseear (from	Kochia	Speedwell, Persian
seed)	Lambsquarter, Common	Sprangletop
Crabgrass (Large, Smooth)	Lovegrass	Spurge, Prostate
Crowfootgrass	Panicum (Texas, Fall,	Witchgrass
Cupgrass, Woolly	Browntop)	Woodsorrel, Yellow (from
Foxtails, Annual	Pigweed	seed)
Goosegrass <sup>1</sup>		

<sup>1</sup>In many areas a single application of 236 to 546 lbs./A (0.54 to 1.25 lbs./100 sq. ft.) of this product 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 236 to 364 lbs./A (0.54 to 0.84 lbs./100 sq. ft.) followed 60 to 90 days later by a second application that does not exceed the maximum annual rate. Do not exceed the maximum rate for turf grass species listed in the *Maximum Annual Rate* table. <sup>2</sup>Suppression only.

<sup>3</sup>Apply in late summer, fall or winter prior to germination.

Sequential applications may be made provided the total amount of product applied does not exceed the recommended maximum annual application rate for each turf species. All applications must be made prior to germination of the weed seeds.

#### When to Apply After Overseeding Turf

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.

#### When to Overseed after Application

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

Rate of This Product		Month	s Before Overse	eeding	
Lbs./A	Lbs./100 sq ft	AI/A	North	Transition	South
182	0.42	0.50	4	4	4
236	0.54	0.65	5	4	4
273	0.63	0.75	6	5	5
291	0.67	0.80		6	6
364	0.84	1.00		7	7
415	0.95	1.14			9
473	1.09	1.30			10
546	1.25	1.50			12

Landscape Ornamentals (including Established Perennials and Wildflower Plantings) This product may be applied for residual preemergent weed control in ornamentals.

#### **USE RATES**

Apply this product at 236 to 546 lbs./A (0.54 to 1.25 lbs./100 sq. ft.) in fall and/or spring. Use higher application rates for longer control periods. Sequential or single applications may be made provided the total amount of product applied does not exceed the maximum annual application rate of 546 lbs./A.

#### Application Timing and Information

This product is a preemergent herbicide and will not control emerged weeds. Most effective weed control in ornamentals is obtained when this product is activated by at least 1/2 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 postemergent 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 Landscape Ornamentals

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 thoroughly water before applying this product. Apply this product 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.

#### **Tolerant Ornamental Species**

This product will not harm most ornamental trees, shrubs, vines and flowers. The species listed in Table 1 are tolerant to this product. This product is also approved for application, except in California, to the species in Table 2. Best results are obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots as this may prevent 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.

Scientific Name	Common Name
Abies spp.	Fir species** (Balsam, Fraser, Noble, etc.)
Acer palmatum	Japanese Maple
Acer platanoides	Norway Maple
Actinidia chinensis	Kiwi*
Agapanthus africanus	Lily-of-the-Nile (African Lily)
Arctostaphylos densiflora	Vine Hill Manzanita
Arctotheca calendula	Cape Weed
Aucuba japonica	Japanese Aucuba
Barberis gladwynensis	Barberry
Barberis julianae	Wintergreen Barberry
Barberis mentorensis	Mentor Barberry
Barberis thunbergii	Japanese Barberry
Barberis verrucufosa	Warty Barberry
Buxus microphylfa	Japanese Boxwood
Calfistemon viminalis	Weeping Bottlebrush
Calfuna vulgaris	Scotch Heather
Carpobrotus edulis	Hottentot Fig (Ice Plant)
Cassia artemisoides	Feathery Cassia
Ceanothus rigidus	Wild Lilac
Chamaecyparis pisifera	False Cypress
Cleyera japonica	Cleyera
Citrus spp.	Citrus species*
Comus florida	Flowering Dogwood
Comus stolonifera	American Dogwood
Cortaderia sellonana	Pampas Grass
Cotoneaster apiculatus	Cranberry Cotoneaster

Table 1 – Tolerant Ornamental Species (All States)

Cotoneaster buxifolius	Cotoneaster
Cotoneaster dammeri	Bearberry Cotoneaster
Cotoneaster microphyllus	Rockspray Cotoneaster
Cretaegus spp.	Hawthorne
Cupressus sempervirens	Italian Cypress
Delasperrna alba	White Trailing Ice Plant
Dodonea viscosa	Hop Bush
Elaeagnus punllens	Silverberry
Euonymus fortune	Wintercreeper
Euonymus japonica	Japanese Spindle Tree (Evergreen
	Euonymus)
Euonymus kiautschovicks	Spreading Euonymus
Fatsia japonica	Japanese Aralia
Forsythia intermedia	Border Forsythia
Forsythia viridissima	Greenstem Forsythia
Gardenia jasminoides	Gardenia, Cape-Jasmine
Gladiolus spp.	Gladiolus species**
Hedera helix	English Ivy
Hibiscus	Rose of Sharon**
Hibiscus Rosa-sinensis	Chinese Hibiscus
flex corn uta	Chinese Holly
flex crenata	Japanese Holly
flex opaca	American Holly
flex pernyi	Holly
flex vomitoria	Yaupon Holly
<i>Iris</i> spp.	Iris species**
Jasminium nudiflorum	Winter Jasmine
Juniperus chinensis	Chinese Juniper
Juniperus conferta	Shore Juniper
Juniperus horizontalis	Creeping Juniper
<i>Juglans</i> spp.	Walnut*
Justicia brandegeana	Shrimp Plant
Lagerstromia indica	Crepe Myrtle
Ligustrum amurense	Amur Privet
Ligustrum <i>japonicum</i>	Japanese Privet
Ligustrum <i>lucidum</i>	Glossy Privet (Wax-lean
Lirope muscari	Big Blue Lily turf
Lonicera japonica	Japanese Honeysuckle
Lonicera tatarica	Tatarian Honeysuckle
Magnolia spp.	Magnolia species**
Malephora luteola	Ice Plant
Malus spp.	Crabapple*
Nandina domestica	Heavenly Bamboo
<i>Nerium</i> spp.	Oleander
Olea europaea	Olive*
Ophiopogon japonicus	Mondo Grass
Osteospermum fruticosum	Trailing African Daisy
Oxydendrum arboretum	Sourwood
Persea Americana	Avodaco*

Frasier's Photinia (Redtip)
Spruce species** (Colorado Blue, Norway,
etc.)
Lily-of-the-Valley Shrub
Calabrian Pine
Canary Island Pine
Slash Pin
Aleppo Pine
Austrian Black Pine
Longleaf Pine
Monterey Pine
Eastern White Pine
Scotch Pine
Loblolly Pine
Japanese Black Pine
Virginia Pine
Pistachio*
Queensland Pittosporum
Japanese Pittosporum
Japanese Yew
English Laurel
Almond, Apricot, Nectarnie, Peach, Plum and
Prune*
Douglas Fir**
Firethorn Scarlet
Firethorn
Firethorn
Bradford Pear spp.
Oak species
Indian Hawthorne
"Coral Bells," "Formosa," "Hino-crimson," "PJM," "Roseum Elegans"
Lady Bank's Rose
Rosemary*
Leatherleaf Fern
Stonecrop
Japanese Boxcherry
Japanese Yew
Yew
American Arborvitae
Star Jasmine
Canada Hemlock
Tulip species
Japanese Viburnum
Sweet Virurnum
Japanese Snowball
Canary island Viburnum

Viburnum trilobum	Cranberry Bush
Viburnum wrightii	Leatherleaf Viburnum
Vinca major	Vinca
Vinca minor	Dwarf Periwinkle
<i>Vitis</i> spp.	Grape*
Weigela florida	Old Fashioned Weigela
Yucca aloifolia	Spanish Bayonet
Yucca filamentosa	Yucca, Adam's Needle

\*Do not use on food producing trees, vines or plants. \*\*Not for use on container grown plants.

Table 2 - Tolerant	<b>Ornamental S</b>	peciesNarieties (	All States Exce	pt California)

Table 2 - Tolerant Ornamental SpeciesNarieties	
Scientific Name	Common Name
Abelia grandiflora	Abelia: Sherwood
Achillea spp.	Yarrow: King Edward
Agapanthus orientalis	
Akebia quinate	Five-Leaf or Chocolate Vine
Allium cemuum	Lady's Leek, Nodding Onion
Anemone hybrida	Japanese Anemone
Aquilegia spp.	Aquilegia: Red and Gold
Artemisia spp.	Wormwood: Silver Mound, Castle
Aster spp	Aster: Bonny Blue, Purple Dome
Aster X frikartii	
Athyrium filix-femina	Lady Fern; Fern Lady
Begonia spp.	Fibrous Begonia: Hardy Grandis
Bergenia cordifolia	
Boltonia asteroids	Snowbank
Bougainvillea spp.	Bougainvillea
Buddleia davidii	Butterfly-Brush (Dwarf Blue); Royal Red
Callistemon citrinus	Crimson Bottlebrush
Campanula carpatica	Tussock Bellflower (White Clips)
Campis X tagliabuana	Trumpet Creeper. Trumpet Flower; Madame
	Galen
Ceratostigma plumbaginoides	
Crhysanthemum nipponicum	
Coreopsis spp.	Coreopsis (Calliopsis): Early Sunrise,
	Moonbeam
Crocosmia spp.	Lucifer
Delosperma spp.	Coo peri Pink
Delphinium spp.	Larkspur; Blue Elf
Dianthus deltoides	Dianthus, maiden Pinks "Zing"
Dianthus gratianopolitanus	Cheddar Pink
Echinacea pupurea	Coneflower, Purple; Magnus
Forsythia suspensa	Weeping Forsythia
Gaillardia spp.	Gaillardia, Blanket Flower: "Goblin"
Gaura spp.	
Gentiana dahurica	Gentian
	Cranesbill
Geranium cinereum	Cranesbill

Helianthemum spp.	Sunrose
Hemerocallis spp.	Daylily: Aztec Gold, Stella De Oro, Tender
	Love
Heucherella spp.	Coral Bell; Bridget Bloom
Hibiscus spp.	Mallow; Disco Belle White
Hosta plantaginea	Hosta, Plantain Lily (Fragrant)
Hosta sieboldiana	Hosta, "Searsucker"
Houttuynia cordata var. variegate	
Hydrangea macrophylla	Bigleaf Hydrangea
Inula ensifolia	
Iris ensata	Sword-Leaved Iris; Jodlesong
Iris siberica	Siberian Iris; Cabernet
Juniperus davurica	Parsoni
Lagerstromia indica x fauriel	Crape Myrtle; Tuscarora
Lantana montevidensis	Weeping Lantana
Lavender spp.	Lavender; Munstead
Leontopodium alpinum	Edelweiss
Ligstrum sinense	Chinese Privet; Variegata
Lilium spp.	Lily: Jazz
Lirope muscari var. variegate	Lirope, Variegated
Lirope spicata	Lirope, Creeping
Lobelia cardinalis	Cardinal Flower, Indian Pink
Loropetalum chinenseq	Burgundy
Lythrum spp.	Loosestrife; Modern Pink
Miscanthus sinensis	Yaku Jima, Silberfeder
Oenothera missourensis	Evening Primrose
Osmanthus heferophyl/us	Osmanthus (False Holly): Gulf Tide
Paeonia suffruficosa	Tree Peony
Pennisetum setaceum	Fountain Grass (Dwarf)
Perovskia atriplicifolia	
Physostegia virginiana	Dragonhead, False; Vivid
Quercus shumardii	Oak, Shumard's Red
Rhaphio/epis umbel/ata	Yedda Hawthorne
Rhododendron (including azalea)	"Delaware Valley White," "Flame Creeper,"
	"Girard Crimson," "George L. Tabor,"
	Wakeiebisu, White Gumpo
Rudbeckia spp.	Black-Eyes Susan: Goldstrum
Saxifraga spp.	Saxifrage; Purple Dome
Scabiosa spp.	Pincushion Flower
Sedum cauticola	Stonecrop; Lidakense
Sedum dasyphyl/um	Stonecrop
Sedum spurium	Stonecrop; Dragon's Blood
Spiraea buma/da	Spirea: Anthony Waterer
Syzyglum panicu/atum	Austrialian Brushcherry
Teucrium spp.	Germander
Tha/ictrum dipterocarpum	Meadow Rue
Veronica spp.	Veronica, Speedwell; Sunny Border
Viburmum suspensum	Arrowood Virburmum
Do not use on feed producing trees, vines	

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

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

#### **Spreader Settings**

Rotary spreaders are easier to use and reduce streaking that's often caused by drop spreaders. While drop spreaders work well, they require more care to avoid gaps and streaks that appear as light green stripes about a week after fertilizer application. Always apply with a properly calibrated rotary or drop type fertilizer spreader. Never apply by hand. Refer to and follow the spreader manufacturer's calibration and setting instructions.

The above spreader settings are approximate. Calibrate your spreader on 100 square feet and adjust to apply at the rate of 1.25 pound of product per 100 square feet.

Warranty and Disclaimer: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. To the extent consistent with applicable law, the manufacturer is not responsible for the use of this product contrary to the label instructions, under abnormal conditions or under conditions not reasonably foreseeable to the manufacturer and/or seller, and buyer assumes the risk of any such use. If you decide, after reading this label, that you can't use this product immediately return the unopened package to the point of purchase.

GRO TEC, INC. PO BOX 290 MADISON GA 30650

1.800.285.SEED

?	1-888-648-8955
+	1-800-424-9300

[] Denotes alternate/optional verbiage

{ } Denotes verbiage not printed on market labeling

{Marketing Claims}

For Selective Preemergent Control of Grass and Broadleaf Weeds in: Established Turf Grasses (Excluding Golf Course Putting Greens) and Lawns Landscape Ornamentals (Including Established Perennials and Wildflower Plantings) 20 Pounds Treats up to 3,703 sq. ft. [an area approximately 37' x 100'] [40 Pounds Treats up to 7,407 sq. ft.] [an area approximately 74' x 100'] [50 Pounds Treats up to 9,259 sq. ft.] [an area approximately 92.5' x 100'] Contains 0.275% Barricade<sup>®</sup> Preemergent Herbicide Feeds up to 4 Months Crabgrass Preventer Plus Fertilizer with Barricade® 0.275% Controls Crabgrass Barricade® is a registered trademark of Syngenta Crop Protection Quality Fertilizers from the Lawn Seed Experts Crabgrass Preventer + Lawn Fertilizer 28-3-4 Controls Grass and Broadleaf Weeds Before They Germinate Contains an Effective Pre-emergent Herbicide for Control of Crabgrass and Many Other Nuisance Grasses and Broadleaf Weeds Also Controls Barnyardgrass, Annual Bluegrass *(Poa annua),* Crabgrass, Chickweed, Foxtails, Goosegrass, Henbit, Pigweed and Spurge Feeds Your Desirable Grass up to 4 Months with a Complete Fertilizer Featuring Pennington's Coated Slow Release Nitrogen

{End of Marketing Claims}