



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 3, 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 38 W/ Fertilizer Preemergence  
Herbicide  
EPA Registration Number: 59144-13  
Application Dates: 7/11/2019  
Decision Numbers: 553046

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.

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EPA Reg. No. 59144-13  
Decision No. 553046

If you have any questions about this letter, please contact Darius Stanton by phone at 703-347-0433, or via email at [Stanton.darius@epa.gov](mailto:Stanton.darius@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read 'Linda Arrington', with a stylized flourish at the end.

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

Enclosure

**ACCEPTED**

Apr 03, 2020

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 59144-13

59144-13 12-19

PRODIAMINE GROUP 3 HERBICIDE

## Pennington Crabgrass Preventer 38 with Fertilizer Preemergence Herbicide

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 5,128 sq. ft. [an area approximately 51' x 100']  
[40 Pounds Treats up to 10,256 sq. ft.] [an area approximately 102.5' x 100']  
[50 Pounds Treats up to 12,820 sq. ft.] [an area approximately 128' x 100']

Contains 0.38% Barricade® Preemergent Herbicide

Feeds up to 4 Months

Crabgrass Preventer Plus Fertilizer with Barricade® 0.38%

Controls Crabgrass

Quality Fertilizers from the Lawn Seed Experts

Crabgrass Preventer + Lawn Fertilizer 5-10-25 28-3-4 20-3-4

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

Active Ingredient:

Prodiamine (CAS No. 29092-21-2) ..... 0.38%

Other Ingredients ..... 99.62%

Total ..... 100.00%

Guaranteed [Fertilizer] Analysis 32-4-6

[Code]

Total Nitrogen (N) .....32.00%

\_\_\_% Ammoniacal Nitrogen

\_\_\_% Urea Nitrogen

Available Phosphate (P205) ..... 4.00%

Potassium (K20) .....6.00%

Derived from: Urea, Ammonium Phosphate, Muriate of Potash.

Keep Out of Reach of Children

**CAUTION**

See back panel for First Aid and additional Precautionary Statements.

EPA Reg. No. 59144-13  
EPA Est. No. \_\_\_\_\_

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

Barricade® is a registered trademark of Syngenta Crop Protection

{Back Panel}

#### First Aid

If in Eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a Poison control center or doctor for treatment advice.</li> </ul>
If on Skin	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Immediately rinse skin with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If Inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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.]	

{Note: The First Aid 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 limit of solubility this product is not toxic to fish. However, at concentrations above the level of water solubility it may be toxic to fish. 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 when rains is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash 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.

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  
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.

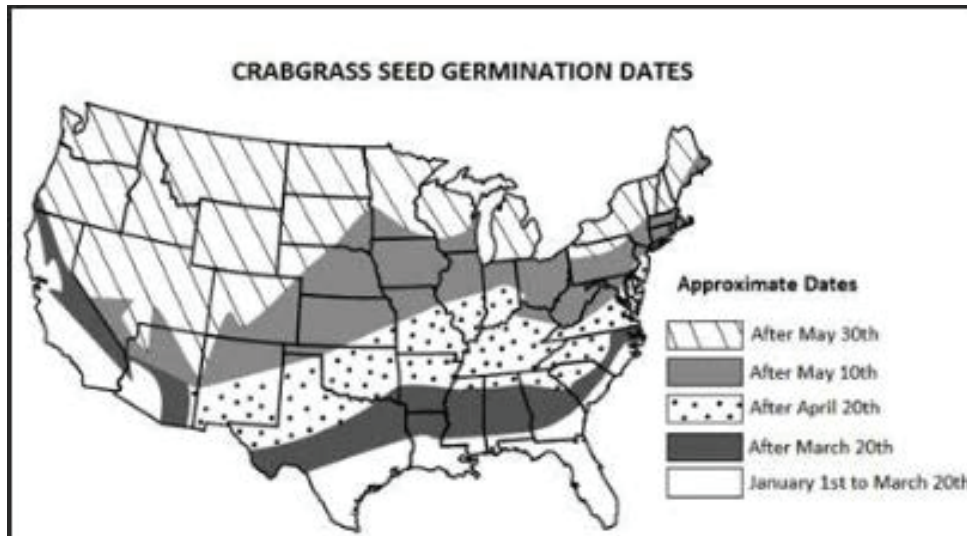
#### Application Directions

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 [0.5] 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 diking 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 Species <sup>1</sup>			
Turf Species	Lbs. Product/A	Lbs. Product /100 Sq. Ft.	Lbs AI/A
Bermudagrass <sup>2</sup> , Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass, Tall Fescue (including turf-type), Zoysia	395	0.91	1.5
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	263	0.60	1.0
Creeping Red Fescue	197	0.45	0.75
Creeping Bentgrass	171	0.39	0.65



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

<sup>1</sup>These are the maximum rates per calendar year by species limitations.

<sup>2</sup>May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 137 lbs./A (0.32 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 395 lbs./A (0.91lbs./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 annua</i> )	Itchgrass	Pusley, Florida
Carpetweed	Johnsongrass (from seed)	Rescuegrass <sup>2</sup>
Chickweed, Common	Junglerice	Shepherd's Purse <sup>3</sup>
Chickweed, Mouseear (from seed)	Knotweed	Signalgrass, Broadleaf
Crabgrass (Large, Smooth)	Kochia	Speedwell, Persian
Crowfootgrass	Lambsquarter, Common	Sprangletop
Cupgrass, Woolly	Lovegrass	Spurge, Prostate
Foxtails, Annual	Panicum (Texas, Fall, Browntop)	Witchgrass
Goosegrass <sup>1</sup>	Pigweed	Woodsorrel, Yellow (from seed)

<sup>1</sup>In many areas a single application of 171 to 395 lbs./A (0.39 to 0.91 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 171 to 263 lbs./A (0.39 to 0.60 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			Months Before Overseeding		
Lbs./A	Lbs./100 sq ft	AI/A	North	Transition	South
132	0.30	0.50	4	4	4
171	0.39	0.65	5	4	4
197	0.45	0.75	6	5	5
210	0.48	0.80		6	6
263	0.60	1.00		7	7
300	0.69	1.14			9
342	0.79	1.30			10
395	0.91	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 171 to 395 lbs./A (0.39 to 0.91 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 395 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.

Table 1 – Tolerant Ornamental Species (All States)

Scientific Name	Common Name
<i>Abies</i> spp.	Fir species** (Balsam, Fraser, Noble, etc.)
<i>Acer palmatum</i>	Japanese Maple
<i>Acer platanoides</i>	Norway Maple
<i>Actinidia chinensis</i>	Kiwi*
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Aucuba japonica</i>	Japanese Aucuba
<i>Barberis gladwynensis</i>	Barberry
<i>Barberis julianae</i>	Wintergreen Barberry
<i>Barberis mentorensis</i>	Mentor Barberry
<i>Barberis thunbergii</i>	Japanese Barberry
<i>Barberis verrucifosa</i>	Warty Barberry
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Calfistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisoides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Cleyera japonica</i>	Cleyera
<i>Citrus</i> spp.	Citrus species*
<i>Comus florida</i>	Flowering Dogwood
<i>Comus stolonifera</i>	American Dogwood
<i>Cortaderia sellonana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>Cotoneaster buxifolius</i>	Cotoneaster
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster
<i>Cotoneaster microphyllus</i>	Rockspray Cotoneaster
<i>Cretaeagus</i> spp.	Hawthorne
<i>Cupressus sempervirens</i>	Italian Cypress
<i>Delaspenna alba</i>	White Trailing Ice Plant
<i>Dodonea viscosa</i>	Hop Bush
<i>Elaeagnus punllens</i>	Silverberry
<i>Euonymus fortunei</i>	Wintercreeper
<i>Euonymus japonica</i>	Japanese Spindle Tree (Evergreen Euonymus)
<i>Euonymus kiautschovicks</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsythia viridissima</i>	Greenstem Forsythia
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine
<i>Gladiolus</i> spp.	Gladiolus species**
<i>Hedera helix</i>	English Ivy
<i>Hibiscus</i>	Rose of Sharon**

<i>Hibiscus Rosa-sinensis</i>	Chinese Hibiscus
<i>flex corn uta</i>	Chinese Holly
<i>flex crenata</i>	Japanese Holly
<i>flex opaca</i>	American Holly
<i>flex pernyi</i>	Holly
<i>flex vomitoria</i>	Yaupon Holly
<i>Iris spp.</i>	Iris species**
<i>Jasminium nudiflorum</i>	Winter Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper
<i>Juniperus conferta</i>	Shore Juniper
<i>Juniperus horizontalis</i>	Creeping Juniper
<i>Juglans spp.</i>	Walnut*
<i>Justicia brandegeana</i>	Shrimp Plant
<i>Lagerstromia indica</i>	Crepe Myrtle
<i>Ligustrum amurense</i>	Amur Privet
<i>Ligustrum japonicum</i>	Japanese Privet
<i>Ligustrum lucidum</i>	Glossy Privet (Wax-lean
<i>Lirope muscari</i>	Big Blue Lily turf
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>Lonicera tatarica</i>	Tatarian Honeysuckle
<i>Magnolia spp.</i>	Magnolia species**
<i>Malephora luteola</i>	Ice Plant
<i>Malus spp.</i>	Crabapple*
<i>Nandina domestica</i>	Heavenly Bamboo
<i>Nerium spp.</i>	Oleander
<i>Olea europaea</i>	Olive*
<i>Ophiopogon japonicus</i>	Mondo Grass
<i>Osteospermum fruticosum</i>	Trailing African Daisy
<i>Oxydendrum arboreum</i>	Sourwood
<i>Persea americana</i>	Avodaco*
<i>Photinia fraseri</i>	Frasier's Photinia (Redtip)
<i>Picea spp.</i>	Spruce species** (Colorado Blue, Norway, etc.)
<i>Pieris japonica</i>	Lily-of-the-Valley Shrub
<i>Pinus brutia</i>	Calabrian Pine
<i>Pinus canariensis</i>	Canary Island Pine
<i>Pinus elliottii</i>	Slash Pin
<i>Pinus halepensis</i>	Aleppo Pine
<i>Pinus nigra</i>	Austrian Black Pine
<i>Pinus paJustris</i>	Longleaf Pine
<i>Pinus radiata</i>	Monterey Pine
<i>Pinus strobus</i>	Eastern White Pine
<i>Pinus sy/vestris</i>	Scotch Pine
<i>Pinus taeda</i>	Loblolly Pine
<i>Pinus thunbergiana</i>	Japanese Black Pine
<i>Pinus virginiana</i>	Virginia Pine
<i>Pistachio spp.</i>	Pistachio*
<i>Pittosporum rhombifolium</i>	Queensland Pittosporum
<i>Piffosp_orum tobira</i>	Japanese Pittosporum

<i>Podocarpus macrohyllus</i>	Japanese Yew
<i>Prunus laurocerasus</i>	English Laurel
<i>Prunus</i> spp.	Almond, Apricot, Nectarine, Peach, Plum and Prune*
<i>Pseudotsuga menziesii</i>	Douglas Fir**
<i>Pyracantha coccinea</i>	Firethorn Scarlet
<i>Pyracantha fortuneana</i>	Firethorn
<i>Pyracantha koidzumii</i>	Firethorn
<i>Pyrus</i> spp.	Bradford Pear spp.
<i>Quercus rubra</i>	Oak species
<i>Raphio/epis indica</i>	Indian Hawthorne
<i>Rhododendron</i> (including Azalea)	"Coral Bells," "Formosa," "Hino-crimson," "PJM," "Roseum Elegans"
<i>Rosa banksiae</i>	Lady Bank's Rose
<i>Rosmarinus officinalis</i>	Rosemary*
<i>Rumohra adiantiformis</i>	Leatherleaf Fern
<i>Santolina virens</i>	
<i>Sedum album</i>	Stonecrop
<i>Syzygium paniculatum</i>	Japanese Boxcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>Taxus media</i>	Yew
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa</i> spp.	Tulip species
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>Viburnum odoratissimum</i>	Sweet Viburnum
<i>Viburnum plicatum</i>	Japanese Snowball
<i>Viburnum rigidum</i>	Canary island Viburnum
<i>Viburnum tinus</i>	Laurustinus
<i>Viburnum trilobum</i>	Cranberry Bush
<i>Viburnum wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Vinca
<i>Vinca minor</i>	Dwarf Periwinkle
<i>Vitis</i> spp.	Grape*
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet
<i>Yucca filamentosa</i>	Yucca, Adam's Needle

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

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

Table 2 - Tolerant Ornamental Species/Varieties (All States Except California)

Scientific Name	Common Name
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Achillea</i> spp.	Yarrow: King Edward
<i>Agapanthus orientalis</i>	
<i>Akebia quinata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone

<i>Aquilegia</i> spp.	Aquilegia: Red and Gold
<i>Artemisia</i> spp.	Wormwood: Silver Mound, Castle
<i>Aster</i> spp	Aster: Bonny Blue, Purple Dome
<i>Aster X frikartii</i>	
<i>Athyrium filix-femina</i>	Lady Fern; Fern Lady
<i>Begonia</i> spp.	Fibrous Begonia: Hardy Grandis
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Buddleia davidii</i>	Butterfly-Brush (Dwarf Blue); Royal Red
<i>Callistemon citrinus</i>	Crimson Bottlebrush
<i>Campanula carpatica</i>	Tussock Bellflower (White Clips)
<i>Campis X tagliabuana</i>	Trumpet Creeper. Trumpet Flower; Madame Galen
<i>Ceratostigma plumbaginoides</i>	
<i>Crhysanthemum nipponicum</i>	
<i>Coreopsis</i> spp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam
<i>Crocsmia</i> spp.	Lucifer
<i>Delosperma</i> spp.	Coo peri Pink
<i>Delphinium</i> spp.	Larkspur; Blue Elf
<i>Dianthus deltoides</i>	Dianthus, maiden Pinks "Zing"
<i>Dianthus gratianopolitanus</i>	Cheddar Pink
<i>Echinacea pupurea</i>	Coneflower, Purple; Magnus
<i>Forsythia suspensa</i>	Weeping Forsythia
<i>Gaillardia</i> spp.	Gaillardia, Blanket Flower: "Goblin"
<i>Gaura</i> spp.	
<i>Gentiana dahurica</i>	Gentian
<i>Geranium cinereum</i>	Cranesbill
<i>Gypsophila rep ens</i>	Baby's Breath
<i>Helianthemum</i> spp.	Sunrose
<i>Hemerocallis</i> spp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
<i>Heucherella</i> spp.	Coral Bell; Bridget Bloom
<i>Hibiscus</i> spp.	Mallow; Disco Belle White
<i>Hosta plantaginea</i>	Hosta, Plantain Lily (Fragrant)
<i>Hosta sieboldiana</i>	Hosta, "Searsucker"
<i>Houttuynia cordata</i> var. <i>variegata</i>	
<i>Hydrangea macrophylla</i>	Bigleaf Hydrangea
<i>Inula ensifolia</i>	
<i>Iris ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Iris siberica</i>	Siberian Iris; Cabernet
<i>Juniperus davurica</i>	Parsoni
<i>Lagerstromia indica x fauriei</i>	Crape Myrtle; Tuscarora
<i>Lantana montevidensis</i>	Weeping Lantana
<i>Lavender</i> spp.	Lavender; Munstead
<i>Leontopodium alpinum</i>	Edelweiss
<i>Ligstrum sinense</i>	Chinese Privet; Variegata
<i>Lilium</i> spp.	Lily: Jazz

<i>Lirope muscari</i> var. <i>variegata</i>	Lirope, Variegated
<i>Lirope spicata</i>	Lirope, Creeping
<i>Lobelia cardinalis</i>	Cardinal Flower, Indian Pink
<i>Loropetalum chinense</i>	Burgundy
<i>Lythrum</i> spp.	Loosestrife; Modern Pink
<i>Miscanthus sinensis</i>	Yaku Jima, Silberfeder
<i>Oenothera missouriensis</i>	Evening Primrose
<i>Osmanthus heferophyl/us</i>	Osmanthus (False Holly): Gulf Tide
<i>Paeonia suffruticosa</i>	Tree Peony
<i>Pennisetum setaceum</i>	Fountain Grass (Dwarf)
<i>Perovskia atriplicifolia</i>	
<i>Physostegia virginiana</i>	Dragonhead, False; Vivid
<i>Quercus shumardii</i>	Oak, Shumard's Red
<i>Rhaphio/epis umbel/ata</i>	Yedda Hawthorne
<i>Rhododendron</i> (including azalea)	"Delaware Valley White," "Flame Creeper," "Girard Crimson," "George L. Tabor," Wakeiebisu, White Gumpo
<i>Rudbeckia</i> spp.	Black-Eyes Susan: Goldstrum
<i>Saxifraga</i> spp.	Saxifrage; Purple Dome
<i>Scabiosa</i> spp.	Pincushion Flower
<i>Sedum caudicola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyl/um</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea bumada</i>	Spiraea: Anthony Waterer
<i>Syzyglum panicu/atum</i>	Austrialian Brushcherry
<i>Teucrium</i> spp.	Germander
<i>Tha/ictum dipterocarpum</i>	Meadow Rue
<i>Veronica</i> spp.	Veronica, Speedwell; Sunny Border
<i>Viburnum suspensum</i>	Arrowwood Virburnum

\*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.

*For household/domestic use product in bags up to 50 pounds.)*

**[Storage and Disposal]**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original 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. Offer for recycling, if available; otherwise, discard in trash. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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