



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 8, 2020

Katelynn E. King  
Regulatory Analyst  
The Scotts Company  
14111 Scottslawn Road  
Marysville, OH 43041

Subject: Registration Review Label Mitigation for Prodiamine  
Product Name: Pre-Amine 0.38% Plus  
EPA Registration Number: 538-332  
Application Date: 7/23/19  
Decision Number: 553642

Dear Ms. King:

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. 538-332  
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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

**Note to PM:**

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

PRODIAMINE	GROUP	<b>3</b>	HERBICIDE
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## PRE-AMINE 0.38% PLUS

For Pre-Emergence Control of Grass and Broadleaf Weeds in Lawns and Ornamental Turf (excluding golf course putting greens), and Landscape Ornamentals (including Established Perennials and Wildflower Plantings)

Stops Many Weed Grasses Before They Grow  
Prevents Crabgrass, Annual Bluegrass, Foxtail & More

[Optional marketing statements:

Sprinkle over mulch

Blocks Weeds Before They Sprout

Southern Garden Formula]

ACTIVE INGREDIENT:

Prodiamine\* ..... 0.38%

OTHER INGREDIENTS ..... 99.62%

TOTAL ..... 100.00%

\* CAS No. 29091-21-2

KEEP OUT OF REACH OF CHILDREN

### CAUTION

See back panel for additional precautionary statements

EPA Reg. No. 538-332

EPA Est. No. XXXX-XX-XXX

NET CONTENT: \_\_\_\_\_

Manufactured by:

The Scotts Company

14111 Scottslawn Rd

Marysville OH, 43041

**ACCEPTED**

May 08, 2020

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under

EPA Reg. No. 538-332

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**PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS  
CAUTION**

Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Prolonged or repeated skin contact with product may cause allergic reactions in some individuals.

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

**ENVIRONMENTAL HAZARDS**

This product has a low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

If material is spilled: Contain and sweep up material of spill for disposal or use per label instructions. Wash cleanup equipment to prevent contamination elsewhere. Excess quantities above normal

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application rates could result in damage to plants subject to spill. Water-in remainder, disc under, cover with layer of soil, or leave exposed to sunlight as deemed appropriate to the situation.

**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 drift.

**DIRECTIONS FOR USE**

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

PRE-AMINE 0.38% Plus is a pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established lawns and ornamental turf (excluding golf course putting greens), landscape ornamentals and established perennials and wildflower plantings. It controls susceptible weeds by inhibiting germination, not root development.

**WEED RESISTANCE MANAGEMENT**

Any weed population may contain or develop plants naturally resistant to PRE-AMINE 0.38% Plus and other Group 3 herbicides.

Suspected herbicide-resistance weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

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.

For further information or to report suspected resistance, contact The Scotts Company at 1-800-543-8873 or at [www.scotts.com](http://www.scotts.com).

**WHEN TO APPLY TO ESTABLISHED TURF**

This product must be applied prior to germination of weed seeds, as it will not control established weeds.

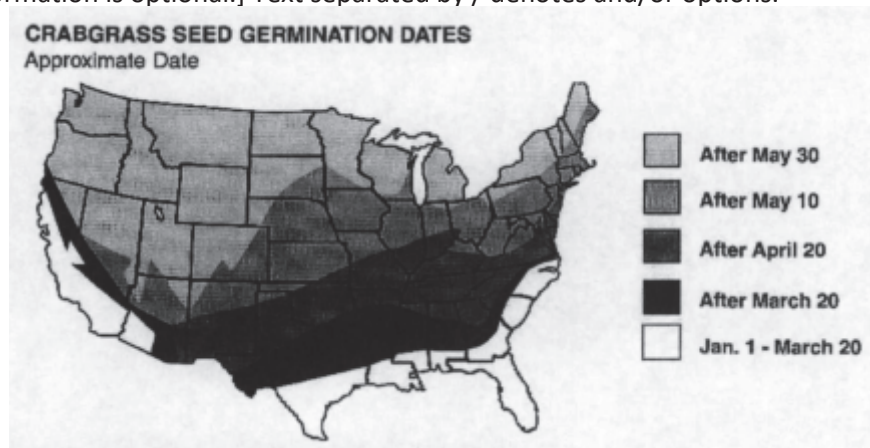
**APPLICATION DIRECTIONS**

Apply this product uniformly, using a suitable spreader that has been properly calibrated. Most effective weed control will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1-2 inches) incorporation, prior to weed seed germination and within 14 days application. See map below for approximate crabgrass germination dates.

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**USE PRECAUTIONS AND RESTRICTIONS**

The following precautions apply to the use of this product in turf grasses and lawns.

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

**RATES OF APPLICATION**

PRE-AMINE 0.38% Plus may be applied as a single application or in sequential application to control weeds germinating throughout the year. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates listed for each turf species. The length of time of residual weed control provided by this product is related to the rate applied. Use the higher rates listed for longer periods of weed control.

PRE-AMINE 0.38% Plus is recommended for use on the turf grass species listed in the following table. The maximum amount of this product that may be applied per year is given for each turf grass species. Do not apply more than 395 lbs./A (1.5 lb. AI/A) of this product per calendar year.

MAXIMUM ANNUAL APPLICATION RATES	
Turf Species	Maximum Annual Rate <sup>1</sup>
Bahiagrass Bermudagrass <sup>2</sup> Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type) Zoysiagrass	9.1 lbs/ 1,000 sq. ft. per year (395 lbs/A per year)

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Buffalograss Kentucky Bluegrass Perennial Ryegrass	6.0 lbs/1,000 sq. ft. per year (263 lbs/A per year)
Creeping Red Fescue	4.5 lbs/1,000 sq. ft. per year (197 lbs/A per year)
Creeping Bentgrass	3.9 lbs/1,000 sq. ft. per year (171 lbs./A per year)

<sup>1</sup>These are maximum rates per calendar year.

<sup>2</sup>May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 132 lbs./A or 3.0 lbs./1,000 sq. ft. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of foxtail, goosegrass and rescuegrass due to reduced rates used in sprigging situations.

**WEEDS CONTROLLED**

When used according to label instructions, PRE AMINE 0.38% Plus will control the following weeds:

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

<sup>1</sup>In many areas a single application of 3.9 to 9.1 lbs./1,000 sq. ft. (171 to 395 lbs./A) will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained with an internal application of 3.9 to 6.0 lbs./1,000 sq. ft. (171 to 263 lbs./A), followed after 60 to 90 days by a second application at doses that would not exceed the maximum annual rate ("Maximum Annual Application Rate" table in the Rates of Application section of this label).

<sup>2</sup>For this weed, apply in late summer, fall, or winter prior to germination.

<sup>3</sup>Suppression only.

**WHEN TO APPLY AFTER OVER SEEDING TURF**

Do not apply to over seeded 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 OVER SEED AFTER APPLICATION**

PRE-AMINE 0.38% Plus will inhibit germination of turf seed if over seeded too soon after application. Follow rates and intervals in table for best over seeding/reseeding results.

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USE RATE			MONTHS BEFORE OVER SEEDING		
LBS./A	LBS./1,000 SQ. FT.	AI/A	NORTH	TRANSITION	SOUTH
131.5	3.0	0.50	4	4	4
171	3.9	0.65	5	4	4
197	4.5	0.75	6	5	5
213	4.9	0.81	-	6	6
258	5.9	1.00	-	7	7
302	6.9	1.15	-	-	9
342	7.8	1.30	-	-	10
395	9.1	1.50	-	-	12

Note: In AZ, CA, NV, and TX, the over seeding interval can be shorter in established bermudagrass that has been over seeded with perennial ryegrass. See the next section "*Poa annua* Control in Established Bermudagrass Over seeded with Perennial Ryegrass (AZ, CA, NV, and TX only)".

**POA ANNUA CONTROL IN ESTABLISHED BERMUDAGRASS OVERSEEDED WITH PERENNIAL RYEGRASS  
CAZ, CA, NV AND TX ONLY**

Use on golf courses (excluding golf course putting greens) and lawns when over seeding with perennial ryegrass (minimum seed rate of 350 lbs./A).

**HOW MUCH AND WHEN TO APPLY**

Apply 2.3 to 3.9 lbs./1,000 sq. ft. (99 to 171 lbs./A) 6 to 8 weeks before ryegrass over seeding. A second application should be made 4 to 8 weeks after over seeding date or when perennial ryegrass roots are in the second inch of soil. One application should provide a 70% or greater control of *Poa annua*. The second application should add to the residual under normal weather conditions.

**Use Precautions:**

1. Some seed mortality and temporary reduction in root growth of new seedlings may occur.
2. To reduce the potential for seeding mortality, maintain a moist seedbed with light, frequent irrigation.
3. Make no more than 2 applications per year for this use, and do not exceed 222 lbs./A (5.1 lbs./1,000 sq. ft.) for these two applications for *Poa annua* control in ryegrass over seeded turf.
4. Do not make a second application if any injury to the ryegrass is observed after the first application.
5. Do not make a second application unless the product was first applied before over seeding.

[Optional spreader settings chart]

**RECOMMENDED SPREADER SETTINGS**

**These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.**



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Light Rate (3.9 lbs./1,000 sq. ft.)			X lbs. treats X sq. ft. at the 171 lbs. product/A			
Low Rate (4.5 lbs./1,000 sq. ft.)			X lbs. treats X sq. ft. at the 197 lbs. product/A			
Medium Rate (6.0 lbs. /1,000 sq. ft.)			X lbs. treats X sq. ft. at the 263 lbs. product/A			
High Rate (9.1 lbs. /1,000 sq. ft.)			X lbs. treats X sq. ft. at the 395 lbs. product/A			
Spreader	Ground or PTO Speed	Width of Coverage	Spreader Settings			
			Light Rate	Low Rate	Medium Rate	High Rate
aa	X mph	XX ft.	X	X	X	X
bb	X mph	XX ft.	X	X	X	X
cc	X mph	XX ft.	X	X	X	X

**LANDSCAPE ORNAMENTALS (including established perennials and wildflower plantings)** PRE-AMINE 0.38% Plus may be applied for residual pre-emergence weed control in ornamentals listed on this label.

**RATES OF APPLICATION**

Apply at the rate of 171 to 395 lbs./A (3.9 to 9.1 lbs./1,000 sq. ft.) 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 395 lbs./A (9.1 lbs./1,000 sq. ft.) per year.

**APPLICATION TIMING AND INFORMATION**

PRE-AMINE 0.38% Plus 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 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inch) mechanical incorporation, prior to weed seed germination and within 14 days following application.

Best weed control is obtained when applied to soil free of clods, weeds and debris such as leaves. Prior to application, control existing vegetation by hand weeding, cultivation or the use of an appropriate post-emergence herbicide.

**ESTABLISHED LANDSCAPE ORNAMENTALS**

PRE-AMINE 0.38% Plus may be applied at any time to established ornamentals as a broadcast, over the top or directed application. Irrigation or rainfall soon after application with wash residues off plant foliage and activate the product in the soil.

**NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS**

PRE-AMINE 0.38% Plus may be applied to newly transplanted ornamentals as a broadcast, over the top or directed application. Delay application to allow soil to settle and water thoroughly before applying. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.

**TOLERANT ORNAMENTAL SPECIES**

PRE-AMINE 0.38% Plus will not harm trees, shrubs, vines and flowers listed on this label. The species listed below are tolerant to this product. Best results will be obtained when product is uniformly applied to the soil surface. Avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species. When plants

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are under stress (such as heat, drought or frost damage) some cultivars of listed plants may be sensitive to this product.

<b><u>SCIENTIFIC NAME</u></b>	<b><u>COMMON NAME</u></b>
<i>Abies spp.</i>	Fir species** (Balsam, Frasier, Noble, etc.)
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Acer palmatum</i>	Japanese Maple
<i>A. Platanoides</i>	Norway Maple
<i>Achillea spp.</i>	Yarrow: King Edward
<i>Actinidia chinensis</i>	Kiwi*
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia spp.</i>	Aquilegia: Red and Gold
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Artemisia spp.</i>	Wormwood; Silver Mound, Castle
<i>Aster spp.</i>	Aster: Bonnie Blue, Purple Dome
<i>Aster X Frikartii</i>	
<i>Athrium Filiz-femina</i>	Lady Fern; Fern Lady
<i>Aucuba japonica</i>	Japanese Aucuba
<i>Begonia spp.</i>	Fibrous Begonia: Hardy Grandis
<i>Berberis gladwynensis</i>	Barberry
<i>A. Julianae</i>	Wintergreen Barberry
<i>B. mentorensis</i>	Mentor Barberry
<i>B. Thunbergii</i>	Japanese Barberry
<i>B. Verruculosa</i>	Warty Barberry
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Buddleia davidii</i>	Butterfly-Bush (Dwarf Blue); Royal Red
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Campanula carpatica</i>	Tussock Bellflower, (White Clips)
<i>Campis X Tagliabuana</i>	Trumpet Flower, Madame Galen
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisoides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Ceratostigma plumbagonoides</i>	
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Chrysanthemum nipponicum</i>	
<i>Cleyera japonica</i>	Cleyera
<i>Citrus spp.</i>	Citrus species*
<i>Coreopsis spp.</i>	Coreopsis (Calliopsis) Early Sunrise, Moonbeam
<i>Cornus florida</i>	Flowering Dogwood
<i>C. Stolonifera</i>	American Dogwood

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<i>Cortaderia selloana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>C. buxifolius</i>	Cotoneaster
<i>C. dammeri</i>	Bearberry Cotoneaster
<i>C. Microphyllus</i>	Rockspray Cotoneaster
<i>Cretaeagus spp.</i>	Hawthorne
<i>Crocosmia spp.</i>	Lucifer
<i>Cupressus sempervirens</i>	Italian Cypress
<i>Delosperma alba</i>	White Trailing Ice Plant
<i>Delosperma spp.</i>	Cooperi Pink
<i>Delphinium spp.</i>	Larkspur: Blue Elf
<i>Dianthus deltoids</i>	Dianthus: Maiden Pinks “Zing”
<i>D. gratianopolitanus</i>	Cheddar Pink
<i>Dodonea viscosa</i>	Hop Bush
<i>Echinacea purpurea</i>	Coneflower, Purple; Magnus
<i>Elaeagnus pungens</i>	Silverberry
<i>Euonymus fortune</i>	Wintercreeper
<i>E. japonica</i>	Evergreen Euonymus
<i>E. kiautschovica</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsythia suspensa</i>	Weeping Forsythia
<i>F. viridissima</i>	Greenstem Forsythia
<i>Gaillardia spp.</i>	Gaillardia, Blanket Flower: “Goblin”
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine
<i>Gaura spp.</i>	
<i>Gentiana dahurica</i>	Gentian
<i>Geranium cinereum</i>	Cranesbill
<i>Gladiolus spp.</i>	Gladiolus species**
<i>Gypsophilia repens</i>	Baby’s Breath
<i>Hedera helix</i>	English Ivy
<i>Hellanthemum spp.</i>	Sunrose
<i>Hemerocallis spp.</i>	Daylily: Aztec Gold, Stella de Oro, Tender Love
<i>Hibiscus</i>	Rose of Sharon**
<i>Hibiscus spp.</i>	Mallow: Disco Belle White
<i>Hibiscus rosa-sinensis</i>	Chinese Hibiscus
<i>Hosta plantaginea</i>	Hosta, Plantain Lily (Fragrant)
<i>H. Sieboldiana</i>	Hosta, “Seersucker”
<i>Houttuynia cordata</i> var. <i>variegata</i>	
<i>Hydrangea macrophylla</i>	Bigleaf Hydrangea
<i>Ilex Bernyi</i>	Holly
<i>Ilex cornuta</i>	Chinese Holly
<i>I. crenata</i>	Japanese Holly
<i>I. opaca</i>	American Holly
<i>I. vomitoria</i>	Yaupon Holly, Schillings

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<i>Inula ensifolia</i>	
<i>Iris ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Iris siberica</i>	Siberian Iris; Cabernet
<i>Iris spp.</i>	Iris species**
<i>Jasminium nudiflorum</i>	Winter Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper; Nick's Compact Parsonnii
<i>J. conferta</i>	Shore Juniper; Blue Pacific
<i>J. davurica</i>	Parsoni
<i>J. horizontalis</i>	Creeping Juniper
<i>Juglans spp.</i>	Walnut*
<i>Justica brandegeana</i>	Shrimp Plant
<i>Lagerstromia indica</i>	Crape Myrtle
<i>Lagerstromia indica X Fauriei</i>	Crape Myrtle; Tuscarora
<i>Lantana montevidensis</i>	Weeping Lantana
<i>Lavender spp.</i>	Lavendar; Munstead
<i>Leontopodium alpinum</i>	Edelweiss
<i>Ligustrum amurense</i>	Amur Privet
<i>Ligustrum sinense</i>	Chinese Privet; Variegata
<i>L. japonica</i>	Japanese Privet
<i>L. lucidum</i>	Glossy Privet (Waxleaf)
<i>Lilium spp.</i>	Lily; Jazz
<i>Liriope muscari</i>	Big Blue Lily, Silver Mound, Evergreen Giant
<i>Liriope muscari var. variegata</i>	Liriope, Variegated
<i>Liriope spicata</i>	Liriope, Creeping
<i>Lobelia Cardinalis</i>	Cardinal Flower, Indian Pink
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>L. tatarica</i>	Tartarian Honeysuckle
<i>Lorapetalum chinense</i>	Burgundy
<i>Lythrum spp.</i>	Loosestrife; Modern Pink
<i>Magnolia spp.</i>	Magnolia species**
<i>Maleophora luteola</i>	Ice Plant
<i>Malus spp.</i>	Crabapple*
<i>Miscanthus sinensis</i>	Yaku Jima, Silberfeder
<i>Nandina domestica</i>	Heavenly Bamboo
<i>Narcissus spp.</i>	Narcissus species**
<i>Nerium oleander</i>	Oleander
<i>Olea europaea</i>	Olive*
<i>Ophiopogon japonicus</i>	Mondo Grass
<i>Osmanthus heterophyllus</i>	Osmanthus (False Holly); Gulf Tide
<i>Osteospermum fruticosum</i>	Trailing African Daisy
<i>Oxydendrum arboretum</i>	Sourwood
<i>Paeonia suffruticosa</i>	Tree Peony
<i>Pennisetum setaceum</i>	Fountain Grass (Dwarf)
<i>Perovskia atriplicifolia</i>	
<i>Persea americana</i>	Avocado*

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<i>Photinia Fraseri</i>	Frasier's Photinia (Redtip)
<i>Physotegia Virginiana</i>	Dragonhead, False; Vivid
<i>Picea spp.</i>	Spruce species** (Colorado Blue, Norway, etc.)
<i>Pieris japonica</i>	Lily-of-the-Valley Bush
<i>Pinus brutia</i>	Calabrian Pine
<i>P. canariensis</i>	Canary Island Pine
<i>P. Elliottii</i>	Slash Pine
<i>P. halepensis</i>	Aleppo Pine
<i>P. nigra</i>	Austrian Pine
<i>P. palustris</i>	Longleaf Pine
<i>P. radiata</i>	Monterey Pine
<i>P. strobus</i>	Eastern White Pine
<i>P. sylvestris</i>	Scotch Pine
<i>P. taeda</i>	Loblolly Pine
<i>P. Thunbergiana</i>	Japanese Black Pine
<i>P. Virginiana</i>	Virginia Pine
<i>Pistachio spp.</i>	Pistachio*
<i>Pirrosorum rhombifolium</i>	Queensland Pittosporum
<i>P. tobira</i>	Japanese Pittosporum
<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>Prunus laurocerasus</i>	English Laurel
<i>Prunus spp.</i>	Almond, Apricot, Nectarine, Peach, Plum and Prune*
<i>Pseudotsuga menziesii</i>	Douglas Fir**
<i>Pyracantha coccinea</i>	Firethorn (Scarlet)
<i>P. fortuneana</i>	Firethorn
<i>P. koidzumii</i>	Firethorn
<i>Pyrus spp.</i>	Bradford Pear spp.
<i>Quercus shumardii</i>	Oak, Shumard's Red
<i>Quercus spp.</i>	Oak species
<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Raphiolepis umbellata</i>	Yedda Hawthorne
<i>Rhododendron (including Azalea)</i>	'Coral Bells', 'Formosa', 'Hine-crimson', 'PJM', 'Delaware Valley White', 'Roseum Elegans', 'Flame Creeper', 'Girard Crimson', 'Wakeiebisu', 'White Gumbo', 'George L. Tabor'
<i>Rosa banksiae</i>	Lady Bank's Rose
<i>Rosmarinus officinalis</i>	Rosemary*
<i>Rudbeckia spp.</i>	Black-Eyed Susan; Goldsturm
<i>Santolina virens</i>	Santolina
<i>Saxifraga spp.</i>	Saxifrage; Purple Dome
<i>Scabiosa spp.</i>	Pincushion Flower
<i>Sedum album</i>	Stonecrop
<i>Sedum cauticola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stronecrop; Dragon's Blood

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<i>Spiraea bumalda</i>	Spirea; Anthony Waterer
<i>Syzygium paniculatum</i>	Australian Brushcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>T. media</i>	Yew
<i>Teucrium spp.</i>	Germander
<i>Thalictrum dipterocarpum</i>	Meadow Rue
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa spp.</i>	Tulip species
<i>Veronica spp.</i>	Veronica, Speedwell; Sunny Border
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>V. odoratissimum</i>	Sweet Viburnum
<i>V. plicatum</i>	Japanese Snowball
<i>V. rigidum</i>	Canary Island Viburnum
<i>V. suspensum</i>	Arrowwood Viburnum
<i>V. tinus</i>	Laurustinus
<i>V. trilobium</i>	Cranberry Bush
<i>V. wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Greater Periwinkle, Vinca
<i>Vinca minor</i>	Common Periwinkle, Vinca
<i>Vitis spp.</i>	Grape*
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet, Yucca
<i>Y. filamentosa</i>	Adam's Needle, Yucca
* Do not use on food producing trees, vines or plants.	
** Not for use on container grown plants.	

*[Shaker Bottle Use Instructions]**For landscape ornamentals, ground covers, ornamental grasses, shrubs, trees and turf grasses as listed on this label.***WHEN TO APPLY PRE-AMINE 0.38% PLUS**

Apply PRE-AMINE 0.38% PLUS during the growing season around established plants, transplants and lawns. **Do not apply PRE-AMINE 0.38% PLUS over newly planted flower seeds or over newly over seeded lawns.** It can be used after flowering plants have germinated and are 2-3 inches tall, and on established lawns 60 days after over seeding. PRE-AMINE 0.38% PLUS may also be incorporated into the soil or applied after mulching beds. Since it does not kill existing weeds, first remove any that have already begun to grow. Best results are obtained when applied to soil free of weeds, clods and debris such as leaves. Applying PRE-AMINE 0.38% PLUS as early as possible eliminates the need for hand weeding. Rain does not wash this product out of the soil. **To keep ornamental beds, ground covers, trees, shrubs and lawns weed-free all season long, reapply PRE-AMINE 0.38% PLUS every 60 to 90 days; however do not exceed the maximum use rates listed in the "Maximum Annual Application Rate" table of this label.**

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**HOW TO APPLY PRE-AMINE 0.38% PLUS**

**To avoid plant injury, do not apply PRE-AMINE 0.38% PLUS when foliage is wet.** When plants are dry, sprinkle PRE-AMINE 0.38% PLUS on soil surface at rate given for your specific planting situation. Sprinkle over the top of established ground covers and lawns. Watering immediately after application will wash the granules off the foliage and activate the product in the soil. Always wash or brush off any granules from plant foliage to avoid damage or discoloration. Once activated by watering, PRE-AMINE 0.38% PLUS forms a weed control barrier in the top layer of soil, preventing weed seeds from germinating in ornamental gardens, ground covers, ornamental grasses, shrubs, trees and turf grasses listed on this label. Disturbance to the soil surface after activation may result in erratic weed control.

**HOW MUCH PRE-AMINE 0.38% PLUS TO APPLY**

Apply PRE-AMINE 0.38% PLUS evenly at the rate of 1 teaspoon per square foot to the soil surface, ground cover, mulch or lawn as illustrated by the picture below.



*Immediately water to incorporate PRE-AMINE 0.38% PLUS into the soil. In areas where water is not readily available, lightly rake the surface of the soil to incorporate into the root zone. Wash granules off of sidewalks, driveways, patios and other hard surfaces to avoid discoloration.*

**APPLYING PRE-AMINE 0.38% PLUS WITH MULCH**

*For best weed control, apply PRE-AMINE 0.38% PLUS after spreading mulch on flower and shrub beds. Sprinkle PRE-AMINE 0.38% PLUS on top of mulch at surface rate noted above (see picture above), being sure to keep granules away from plant foliage. Immediately water PRE-AMINE 0.38% PLUS into mulch. If water is not readily available, lightly rake the product into top layer of mulch. Always wash or brush off stray granules from plant foliage to avoid damage or discoloration.*

**APPLYING PRE-AMINE 0.38% PLUS WITH LANDSCAPE FABRIC**

*PRE-AMINE 0.38% PLUS may be applied to the soil prior to the installation of landscape fabric, or over the top of landscape fabric that has previously been installed.*

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container in a locked storage area out of reach of children and domestic animals.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Completely



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empty bag into application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill, or by incineration.

**Pesticide Disposal and Container Handling [Household/Residential]**

Nonrefillable container. Do not reuse or refill 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.

**CONDITIONS OF SALE AND WARRANTY**

The DIRECTIONS FOR USE of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop, injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of PROACTIVE, LLC or the Seller. To the extent consistent with applicable law, Buyer and User agree to hold PROACTIVE, LLC harmless for any claims relating to such factors.

PROACTIVE, LLC warrants that this product conforms to the chemical description on the label, and is reasonably fit for the purposes set forth in the DIRECTIONS FOR USE, when it is used in accordance with such directions, subject to the inherent risks mentioned above. To the extent consistent with applicable law, PROACTIVE, LLC NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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