

# OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

November 21, 2025

Joseph Wolfe, M.S. Regulatory Manager, T&O Nufarm Americas Inc. 4020 Aerial Center Parkway Morrisville, NC 27560

Subject: Label Amendment - Registration Review Mitigation for Prodiamine

Product Name: PROCLIPSE 0.28% FERTILIZER

EPA Registration Number: 228-613

Case Number: 475902

Application Dates: June 27, 2022

# Dear Joseph Wolfe:

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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for

Page 2 of 2 EPA Reg. No. 228-613 Case No. 475902

shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Caleb Carr by phone at 202-566-0636, or via email at <a href="mailto:carr.caleb@epa.gov">carr.caleb@epa.gov</a>.

Sincerely,

Julie Javier, Team Leader

Risk Mitigation and Implementation Branch 4

Pesticide Re-Evaluation Division

Office of Pesticide Programs

**ENCLOSURE:** Stamped label

# PROCLIPSE 0.28% **FERTILIZER**

For selective preemergence control of grass and broadleaf weeds in:

- Established turfgrasses (excluding golf course putting greens) and lawns, athletic fields, parks and sod farms
- Field-grown and landscape ornamentals
- Established perennials and wildflower plantings
- Non-crop areas, including landscape beds, ornamentals, and established perennial wildflower plantings on or surrounding municipal grounds and government installations, managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways and equipment yards)

#### **ACTIVE INGREDIENT:**

Prodiamine (CAS No. 29091-21-2)		0.28%
OTHER INGREDIENTS		<u>99.72%</u>
	TOTAL:	100.00%

# **KEEP OUT OF REACH OF CHILDREN** CAUTION - PRECAUCION

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

SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Only, Call (877) 325-1840

# **Guaranteed Fertilizer Analysis:**

Nitrogen % (N) % (P<sub>2</sub>O<sub>5</sub>) **Phosphorus** Potassium % (K<sub>2</sub>O)

**EPA REG. NO. 228-613** 

EPA EST. NO.

**NET WEIGHT:** 

Manufactured For NUFARM, INC. 11901 S. Austin Ave. Alsip, IL 60803



ACCEPTED Nov 21, 2025

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 228-613

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION - PRECAUCION

Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear: Long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant waterproof gloves. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

	FIRST AID
IF ON SKIN	Take off contaminated clothing.
OR CLOTHING	Rinse skin immediately with plenty of water for 15 to 20 minutes.
	Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
	Call a poison control center or doctor for treatment advice.
IF INHALED	<ul> <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>
	HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

# PERSONAL PROTECTIVE EQUIPMENT (PPE)

# Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

# **ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

# **USER SAFETY RECOMMENDATIONS**

#### **Users should:**

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

#### **ENVIRONMENTAL HAZARDS**

**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 off-site movement.

**AQUATIC ORGANISM ADVISORY STATEMENT:** Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

#### WEED RESISTANCE MANAGEMENT

For resistance management, this product is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance-management strategies should be followed:

- •Rotate the use of this product or other Group 3 herbicides within a season or among seasons with different herbicide groups that control the same weeds in a field.
- •Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or pest control advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and that considers mechanical control methods, cultural (e.g., timing to favor the turf and not the weeds), biological (weed-competitive varieties) and other management practices.
- •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.
- Contact your local extension specialist or pest control advisor for additional pesticide resistance- management and/or integrated weed-management recommendations for specific crops and weed biotypes.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

# **NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter until dusts have settled.

#### WHERE TO USE

This product is a selective preemergence herbicide that controls grasses and broadleaf weeds in:

- Established turf grasses (excluding golf course putting greens) and lawns, athletic fields, parks, and sod farms
- Field-grown and landscape ornamentals
- Established perennials and wildflower plantings
- Non-crop areas, including landscape beds, ornamentals, and established perennial wildflower
  plantings on or surrounding municipal grounds and government installations, managed rights-of-way
  for transportation systems and utilities (including roadways, roadsides, railways, and equipment
  yards)

#### **HOW PROCLIPSE 0.28% FERTILIZER WORKS**

ProClipse 0.28% Fertilizer controls susceptible weeds by inhibiting growth and development of newly geminated weed seed. ProClipse 0.28% Fertilizer controls certain grass and broadleaf weeds before they emerge and provides residual control in established turfgrasses, ornamentals, and other non-crop areas. Weed control is most effective when ProClipse 0.28% Fertilizer is activated with a minimum of 0.5 inches of rainfall or irrigation or by shallow incorporation 1 to 2 inches deep within 14 days of application and before weed seeds germinate. Proclipse 0.28% Fertilizer will not control established weeds.

#### **USE PRECAUTIONS**

Not for use on plants being grown for:

- Commercial seed production
- Research purposes

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

Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

# **WEEDS CONTROLLED**

When used as directed in this label, this product will control the following weeds:

Barnyardgrass

Bluegrass, Annual (Poa annua)

Carpetweed

Chickweed, mouse ear (from seed)

Crabgrass (large, smooth)

Crowfootgrass

Cupgrass, Woolly

Foxtails, Annual

Goosegrass<sup>1</sup>

Henbit

Itchgrass

Johnsongrass (from seed)

Knotweed

Kochia

Lambsquarters, common

Lovegrass

Panicum (Texas, Fall, Browntop)

Pigweed

Purslane, common

Pusley, Florida

Rescuegrass<sup>3</sup>

Shepherd's Purse<sup>2</sup>

Signalgrass, Broadleaf

Speedwell, Persian

Sprangletop

Spurge, Prostrate

Witchgrass

Woodsorrel, Yellow (from seed)

¹In many areas a single application of 0.65 to 1.5 lbs active ingredient per acre (equal to 232 lbs to 536 lbs/acre of this product or equal to 5.3 lbs to 12.3 lbs of product / 1,000 square feet) will control goosegrass. Under heavy goosegrass pressure and/or extended growing season, the most effective weed control may be obtained by making and an initial application of 0.65 to 1.0 lbs ai/acre (equal to 232 lbs to 357 lbs/acre of this product per acre or equal to 5.3 lbs to 8.2 lbs of product / 1,000 square feet) followed by a second application 60 to 90 days later at doses that would not exceed the maximum annual rate for the turf grass species listed in the Maximum Annual Rate table.

<sup>2</sup>Applications for this weed should be made in late summer, fall, or winter prior to germination.

<sup>3</sup>Suppression only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates for each turf species. All applications must be made prior to germination of the weed seeds.

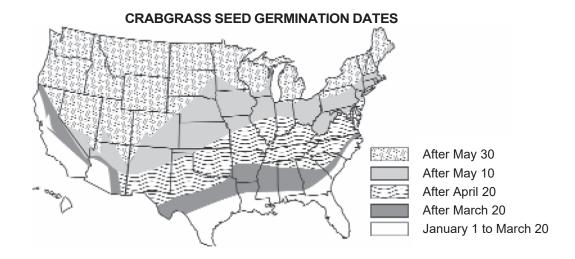
#### **ESTABLISHED TURF**

Golf courses (except putting greens), lawns, parks, athletic fields, sod farms

# **HOW TO APPLY**

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf 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 Rate section of this label.
- Uniform coverage is necessary to provide the most effective weed control.
- Apply ProClipse 0.28% Fertilizer to turf in the early spring prior to crabgrass emergence. See the map below for approximate crabgrass seed germination dates for your area. ProClipse 0.28% Fertilizer will not control emerged crabgrass.
- If you have a known serious weed problem or live in an area with an extended growing season, you may need to make a second application 60-90 days later.
- If you live in areas where crabgrass germinates during January to mid March, you may apply a higher labeled rate or make two applications for more effective crabgrass control, if recommended for your turfgrass species.
- Do not make a second application to Fine Fescue, Creeping Bentgrass, and newly sprigged or plugged Bermudagrass. Do not make a second application if you applied the high labeled rate to Buffalograss, Kentucky Bluegrass, or Perennial Ryegrass.
- Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation prior to weed seed germination and within 14 days following application.



# **USE PRECAUTIONS FOR TURF GRASS AND LAWNS**

- Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
- Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the 2<sup>nd</sup> inch of soil, not thatch plus soil.
- Do not cut (harvest) treated sod before 90 days after application.
- Do not apply to newly set sod until the following year.
- Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
- Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
- 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**

This product may be applied as a single application or in two sequential applications 60-90 days apart 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. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied. Do not make more than two (2) applications per calendar year.

# **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 ProClipse 0.28% Fertilizer / Calendar Year by Turf Grass Species <sup>(1)</sup>				
	Lbs. Product / Acre	Lbs. Product / 1,000 sq. ft	Lbs. ai /acre	
Turf Species:				
Creeping Bentgrass	232	5.3	0.65	
Creeping Red Fescue	268	6.1	0.75	
Buffalograss Kentucky Bluegrass Perennial Ryegrass	357	8.2	1.0	
Bermudagrass (2) Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turftype) Zoysia	536	12.3	1.5	

<sup>&</sup>lt;sup>1</sup>These are the maximum rate per calendar year by species limitations.

Do not apply more than 1.5 lbs ai/acre per calendar year (equal to 536 lbs/acre of product or equal to 12.3 lbs of product / 1,000 square feet).

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.

Suggested Spreader Settings\*

Spreader	Recommended Rate in Lbs / 1,000 sq ft			
	5.3	6.1	8.2	12.3
Spreader A	XX	XX	XX	XX
Spreader B	XX	XX	XX	XX

<sup>&</sup>lt;sup>2</sup>May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 0.5 lbs ai/acre acre (equal to 179 lbs/acre of product per acre or equal to 4.1 lbs of product / 1,000 square feet). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Only suppression of foxtail, goosegrass, and rescuegrass will be obtained due to reduced product rates used in sprigging situations.

Spreader C	XX	XX	XX	XX
Spreader D	XX	XX	XX	XX
Spreader E	XX	XX	XX	XX
Spreader F	XX	XX	XX	XX
Spreader G	XX	XX	XX	XX

<sup>\*</sup>These settings are approximate. It is recommended that you calibrate your spreader before application.

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

ProClipse 0.28% Fertilizer Rate lbs/acre	ProClipse 0.28% Fertilizer Rate lbs/1,000 sq ft	Lbs. ai/acre	Months Before Overseeding		eeding
			North	Transition	South
179	4.1	0.5	4	4	4
232	5.3	0.65	5	4	4
268	6.1	0.75	6	5	5
286	6.6	0.8	-	6	6
357	8.2	1.0	-	7	7
407	9.3	1.14	-	-	9
464	10.7	1.3	-	-	10
536	12.3	1.5	-	-	12

# LANDSCAPE, FIELD GROWN ORNAMENTALS, AND NON-CROP AREAS

Including Established Perennials and Wildflower Plantings

This product may be applied for residual preemergence weed control in ornamentals.

# **Use Rates and When to Apply**

- Apply in the fall and / or spring at 0.65 to 1.5 lbs ai/acre, which equals 5.3 to 12.3 lbs of this product per 1,000 square feet of ornamental plantings.
- Use the higher rates of application for longer periods of control.
- Two sequential applications may be made 60-90 days apart as long as the total amount of product applied does not exceed the maximum annual application rate of 12.3 lbs of this product per 1,000 square feet.

# **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 it into 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 water thoroughly before

applying this product. For best weed control, apply to soil free of clods, weeds and debris such as leaves. Prior to application, control existing weeds by hand weeding, cultivation, or by the use of an herbicide for emerged weeds. 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.

#### HOW MUCH OF THIS PRODUCT AND WHEN TO APPLY - ORNAMENTALS

ProClipse 0.28% Fertilizer Rate Ibs/acre	ProClipse 0.28% Fertilizer Rate lbs/1,000 sq ft	Lbs. ai/acre
179	4.1	0.5
232	5.3	0.65
268	6.1	0.75
286	6.6	0.8
357	8.2	1.0
407	9.3	1.14
464	10.7	1.3
536	12.3	1.5

# **Tolerant Ornamental Species**

This product will not harm most trees, shrubs, vines, and flowers. This product may be applied in all states to species listed below in Table 1. This product may be applied in all states except California to species in Table 2. This product may be applied over the top of the listed 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

Common Name	Scientific Name	Common Name	Scientific Name
Aleppo Pine	Pinus halepensis	Hottentot Fig (Ice Plant)	Carpobrotus edulis
Almond, Apricot, Nectarine, Peach, Plum and Prune*	Prunus spp.	Ice Plant	Maleophora luteola
American Arborvitae	Thuja occidentallis	Indian Hawthorne	Raphiolepsis indica
American Dogwood	Cornus stolonifera	Iris species**	Iris spp.
American Holly	llex opaca	Italian Cypress	Cupressus sempervirens
Amur Privet	Ligustrum amurense	Japanese Aralia	Fatsia japonica
Austrian Black Pine	Pinus nigra	Japanese Aucuba	Aucuba japonica
Avocado*	Persea americana	Japanese Barberry	Berberis thunbergii
Barberry	Berberis gladwynensis	Japanese Black Pine	Pinus thunbergiana
Bearberry Cotoneaster	Cotoneaster dammeri	Japanese Boxcherry	Syzygium paniculatum
Big Blue Lillyturf	Liriope muscari	Japanese Boxwood	Buxus microphylla
Border Forsythia	Forsythia intermedia	Japanese Holly	llex crenata
Bradford Pear	Pyrus spp.	Japanese Honeysuckle	Lonicera japonica
Calabrian Pine	Pinus brutia	Japanese Maple	Acer palmatum
Canada Hemlock	Tsuga canadensis	Japanese Pittosporum	Pittosporum tobira
Canary Island Viburnum	Viburnum rigidum	Japanese Privet	Ligustrum japonicum
Cape Weed	Arctotheca calendula	Japanese Snowball	Viburnum plicatum
Chinese Hibiscus**	Hibiscus Rosasinensis	Japanese Spindle Tree (Evergreen Euonymus)	Euonymus japonica
Chinese Holly**	Ilex cornuta	Japanese Viburnum	Viburnum japonicum
Chinese Juniper	Juniperus chinensis	Japanese Yew	Podocarpus macrophyllus
Citrus species*	Citrus spp.	Japanese Yew	Taxus cuspidata Actinidia
Cleyera	Cleyera japonica	Kiwi*	Actinidia chinensis
Corel Bells	Raphiolepsis indica	Lady Bank's Rose	Rosa banksiae

Common Name	Scientific Name	Common Name	Scientific Name
Cotoneaster	Cotoneaster buxifolius	Laurustinus	Viburnum tinus
Crabapple*	Malus spp.	Leatherleaf Fern	Rumohra adiantiformis
Cranberry Bush	Viburnum trilobium	Leatherleaf Viburnum	Viburnum wrightii
Cranberry Cotoneaster	Cotoneaster apiculatus	LilyoftheNile (African Lily)	Agapanthus africanus
Crape Myrtle	Lagerstromia indica	LilyoftheValley Shrub	Pieris japonica
Creeping Juniper	Juniperus horizontalis	Loblolly Pine	Pinus taeda
Douglas Fir**	Pseudotsuga menziesii	Longleaf Pine	Pinus palustrus
Dwarf Periwinkle	Vinca minor	Magnolia species**	Magnolia spp.
Eastern White Pine	Pinus strobus	Mentor Barberry	Berberis mentorensis
English Ivy	Hedera helix	Mondo Grass**	Ophiopogon japonicus
English Laurel	Prunus laurocerasus	Monterey Pine	Pinus radiata
False Cypress	Chamaecyparis pisifera	Narcissus species**	Narcissus spp.
Feathery Cassia	Cassia artemisioides	Norway Maple	Acer platanoides
Firethorn	Pyracantha fortuneana	Old Fashioned Weigela	Weigela florida
Firethorn	Pyracantha koidzumii	Oleander	Nerium spp.
Firethorn Scarlet	Pyracantha coccinea	Olive*	Olea europaea
Formosa	Rhododendron (including Azalea)	Pampas Grass	Cortaderia selloana
Flowering Dogwood	Cornus florida	Pistachio*	Pistacia spp.
Fraiser's Photinia (Redtip)	Photinia fraseri	Queensland Pittosporum	Pittosportum rhombifolium
Gardenia, CapeJasmine	Gardenia jasminoides	Red Oak	Quercus rubra
Gladiolus species**	Gladiolus spp.	Rockspray Cotoneaster	Cotoneaster microphyllus
Glossy Privet (WaxLeaf)	Ligustrum lucidum	Rose of Sharon**	Hibiscus
Grape*	Vitis spp.	Rosemary*	Rosmarinus officinalis
Greenstem Forsythia	Forsythia viridissima	Roseum Elegans	Rhododendron (including Azalea)
Hawthorne	Crataegus spp.	Scotch Heather	Calluna vulgaris
Heavenly Bamboo	Nandina domestica	Scotch Pine	Pinus sylvestris
Hino-crimson	Rhododendron (including	Shrimp Plant	
	Azalea)		Justicia brandegeana
Holly	Ilex pernyi	Silverberry	Elaeagnus pungens
Hop bush	Dodonea viscosa	Slash Pine	Pinus elliottii
Spanish Bayonet	Yucca aloifolia	Virginia Pine	Pinus virginiana
Spreading Euonymus	Euonymus kiautschovicka	Walnut*	Juglans spp.
Sourwood	Oxydendrum arboreum	Warty Barberry	Berberis verruculosa
Star Jasmine	Trachelospermum asiatum	Weeping Bottlebrush	Callistemon viminalis
Stonecrop	Sedum album	White Trailing Ice Plant	Delosperma alba
Shore Juniper	Juniperus conferta	Wild Lilac	Ceanothus rigidus
Spruce species** (Colorado Blue, Norway, etc.)	Picea spp.	Winter Jasmine	Jasminium nudiflorum
Sweet Viburnum	Viburnum odoratissimum	Wintercreeper	Euonymus fortunei
Tatarian Honeysuckle	Lonicera tatarica	Wintergreen Barberry	Berberis julianae
Trailing African Daisy	Osteospermum fruticosum	Yaupon Holly	Ilex vomitoria
Tulip species	Tulipa spp.	Yew	Taxus media
Vinca	Vinca major	Yucca, Adam's Needle	Yucca filamentosa
Vine Hill Manzanita	Arctostaphylos densiflora	racca, Adam s recode	i doca mamentosa

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

Table 2. Tolerant Ornamental Species – All States Except CA

Common Name	Scientific Name	Common Name	Scientific Name
Abelia: Sherwood	Abelia grandiflora	Hosta, 'Searsucker'	Hosta sieboldiana Houttuynia cordata var. variegate
Aquilegia: Red and Gold	Aquilegia spp.	Hosta, Plantain Lily (Fragrant)	Hosta plantaginea
Arrowood Viburnum	Viburnum suspensum	Japanese Anemone	Anemone hybrida
Aster: Bonny Blue, Purple	Aster spp.	Lady Fern; Fern Lady	Athyrium filix-femina

Common Name	Scientific Name	Common Name	Scientific Name
Dome	Aster X frikartii	Lady's Leek, Nodding Onion	Allium cernuum
Australian Brushcherry	Syzygium paniculatum	Larkspur; Blue Elf	Delphinium spp.
Baby's Breath	Gyposophila repens	Lavender; Munstead	Lavender spp.
Bigleaf Hydrangea	Hydrangea macrophyllaInula ensifolia	Lily: Jazz	Lilium spp.
BlackEyed Susan: Goldstrum	Rudbeckia spp.	Lily of the Nile	Agapanthus orientlis
Bougainvillea	Bougainvillea spp.	Liriope, Creeping	Liriope spicata
Burgundy	Loropetalum chinense	Liriope, Variegated	Liriope muscari var. variegata
ButterflyBush (Dwarf Blue); Royal Red	Buddleia davidii	Loosestrife; Modern Pink Jodlesong Trumpet Creeper,	Lythrum spp.
Cardinal Flower, Indian Pink	Lobelia cardinalis	Lucifer	Crocosmia spp.
Cheddar Pink	Dianthus gratianopolitanus	Mallow; Disco Belle White	Hibiscus spp.
Chinese Privet; Variegata	Ligustrum sinense	Meadow Rue	Thalictrum dipterocarpum
Columbine; Red and Gold	Aquilegia spp.	Oak, Shumard's Red	Quercus shumardii
Coneflower, Purple; Magnus	Echinacea purpurea	Osmanthus (False Holly): Gulf Tide	Osmanthus heterophyllus
Cooperi Pink	Delosperma spp.	Parsoni	Juniperus davurica
Coral Bell; Bridget Bloom	Heucherella spp.	Pincushion Flower	Scabiosa spp.
Coreopsis (Calliopsis): Early Sunrise, Moonbeam	Coreopsis spp.	Saxifrage; Purple Dome	Saxifraga spp.
Cransbill	Geranium cinereum	Siberian Iris; Cabernet	Iris sibirica
Crape Myrtle; Tuscarora	Lagerstromia indica x fauriei	Snowbank Spirea:	Boltonia asteroides
Crimson Bottlebrush	Callistemon citrinius	Anthony Waterer	Spiraea bumalda
Daylily: Aztec Gold, Stella De Oro, Tender Love	Hemerocallis spp.	Stonecrop	Sedum dasyphyllum
Delaware Valley White	Rhododendron (including Azalea)	Stonecrop; Dragon's Blood;	Sedum spurium
Dianthus, Maiden Pinks Zing	Dianthus deltoides	Stonecrop; Lidakense	Sedum cauticola
Dragonhead, False; Vivid	Physostegia virginiana	Sunrose	Helianthemum spp.
Edelweiss	Leontopodium alpinum	Sword-Leaved Iris	Iris ensata
Evening Primrose	Oenothera missourensis	Trumpet Creeper, Trumpet	Campis X tagliabuana
Flame Creeper	Rhododendron (including Azalea)	Flower Madame Galen	Ceratostigma plumbaginoides Chrysanthemum nipponicum
Fibrous Begonia:	Begonia spp.	Tree Peony	Paeonia suffruticosa
Hardy			

Common Name	Scientific Name	Common Name	Scientific Name
Fountain Grass (Dwarf)**	Pennisetum setaceum perovskia atriplicifolia	Veronica, Speedwell; Sunny Border	Veronica spp.
FiveLeaf or Chocolate Vine	Akebia quintata	Wakeiebisu	Rhododendron (including Azalea)
Gaillardia, Blanket Flower:	Gaillardia spp.	Weeping Forsythia	Forsythia syspensa
'Goblin'	Gaura spp.	Weeping Lantana	Lantana montevidensis
Gentian	Gentiana dahurica	White Gumpo	Rhododendron (including Azalea)
George L. Tabor	Rhododendron (including Azalea)	Wormwood; Silver Mound, Castle	Artemisia spp.
Germander	Teucrium spp.	Yaku Jima**, Silberfeder**	Miscanthus sinensis
Girard Crimson	Rhododendron (including Azalea)	Yarrow: King Edward	Achillea spp. Agapanthus orientalis
Grape Myrtle; Tuscarora	Lagerstromia indica x fauriei	Yedda Hawthorne	Raphiolepsis umbellata

<sup>\*</sup>Do not use on food producing trees, vines, or plants.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry place. Keep container closed and away from food, feedstuffs, and domestic water supplies.

**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 empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by other procedures approved by state and local authorities.

# **WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER, AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, CROP OR PLANT DAMAGE, OR LOSS OF YIELD, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE WEATHER, WIND, AND TEMPERATURE, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER, AND ASSUMED BY BUYER OR USER.

THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER OR MANUFACTURER, AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY OTHER REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS. NO WARRANTIES SHALL BE CREATED BY COURSE OF DEALING, USAGE OF TRADE, OR COURSE OF PERFORMANCE.

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF. THE SELLER OR MANUFACTURER ASSUMES NO RESPONSIBILITY THAT THE GOODS WILL BE FIT FOR ANY

<sup>\*\*</sup>Not for use on container grown plants

PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING OR USING THE GOODS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT.

# LIMITATION OF LIABILITY WARNING

EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NEITHER MANUFACTURER NOR SELLER SHALL BE LIABLE TO BUYER OR USER OR TO CUSTOMERS OF BUYER, IF ANY, FOR INDEMNIFICATION OR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE USE, MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE GOODS AND, IF BUYER OR USER WISHES. THE RETURN OF THE GOODS BY BUYER TO SELLER.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the goods, and return it unopened to the Seller, and the purchase price will be refunded. By using the goods, you expressly agree to all of the terms and conditions of this contract.

(RVmmddyy)

# PROCLIPSE 0.28% FERTILIZER

For selective preemergence control of grass and broadleaf weeds in:

- Established turfgrasses (excluding golf course putting greens) and Lawns
- Landscape ornamentals
- Established perennials and wildflower plantings

# **ACTIVE INGREDIENT:**

Prodiamine (CAS No. 29091-21-2)		
OTHER INGREDIENTS		<u>99.72%</u>
	TOTAL:	100.00%

# KEEP OUT OF REACH OF CHILDREN CAUTION – PRECAUCION

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

SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Only, Call (877) 325-1840

# **Guaranteed Fertilizer Analysis:**

EPA REG. NO. 228-613 EPA EST. NO.

**NET WEIGHT:** 

Manufactured For NUFARM, INC. 11901 S. Austin Ave. Alsip, IL 60803



# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION - PRECAUCION

Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear: Long-sleeved shirt and long pants, shoes plus socks, and waterproof gloves. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID				
IF ON SKIN	Take off contaminated clothing.			
OR CLOTHING	Rinse skin immediately with plenty of water for 15 to 20 minutes.			
	Call a poison control center or doctor for treatment advice.			
IF IN EYES	Hold eye open and rinse slowly and gently with water for 15 to 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 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.			
HOT LINE NUMBER				
Have the product container or label with you when calling a poison control center or doctor, or going for				

# **ENVIRONMENTAL HAZARDS**

treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

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 rain 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 treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

**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 off-site movement.

**AQUATIC ORGANISM ADVISORY STATEMENT:** Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

# WEED RESISTANCE MANAGEMENT

For resistance management, this product is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance-management strategies should be followed:

- Rotate the use of this product or other Group 3 herbicides within a season or among seasons with different herbicide groups that control the same weeds in a field.
- •Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or pest control advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and that considers mechanical control methods, cultural (e.g., timing to

favor the turf and not the weeds), biological (weed-competitive varieties) and other management practices.

- 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.
- Contact your local extension specialist or pest control advisor for additional pesticide resistance- management and/or integrated weed-management recommendations for specific crops and weed biotypes.

# **DIRECTIONS FOR USE**

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

#### WHERE TO USE

This product is a selective preemergence herbicide that controls grasses and broadleaf weeds in:

- Established Turf Grasses (excluding golf course putting greens) and Lawns
- Landscape Ornamentals
- Established perennials and wildflower plantings

#### **HOW PROCLIPSE 0.28% FERTILIZER WORKS**

ProClipse 0.28% Fertilizer controls susceptible weeds by inhibiting growth and development of newly geminated weed seed. Weed control is most effective when ProClipse 0.28% Fertilizer is activated with a minimum of 0.5 inches of rainfall or irrigation or by shallow incorporation 1 to 2 inches deep within 14 days of application and before weed seeds germinate.

# **USE PRECAUTIONS**

Not for use on plants being grown for:

- Sale or other commercial uses
- Commercial seed production
- Research purposes
- Do not graze or feed livestock forage cut from areas treated with this product.
- Do not apply aerially.
- Do not apply to putting greens.
- Do not apply through any type of irrigation system.

Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

# **WEEDS CONTROLLED**

When used as directed in this label, this product will control the following weeds:

Barnyardgrass

Bluegrass, Annual (Poa annua)

Carpetweed

Chickweed, mouse ear (from seed)

Crabgrass (large, smooth)

Crowfootgrass

Cupgrass, Woolly

Foxtails, Annual

Goosegrass1

Henbit

Itchgrass

Johnsongrass (from seed)

Knotweed

Kochia

Lambsquarters, common

Lovegrass

Panicum (Texas, Fall, Browntop)

Pigweed

Purslane, common

Pusley, Florida

Rescuegrass<sup>3</sup>

Shepherd's Purse<sup>2</sup>

Signalgrass, Broadleaf

Speedwell, Persian

Sprangletop

Spurge, Prostrate

Witchgrass

Woodsorrel, Yellow (from seed)

¹In many areas a single application of 0.65 to 1.5 lbs active ingredient per acre (equal to 232 lbs to 536 lbs/acre of this product per acre or equal to 5.3 lbs to 12.3 lbs of product / 1,000 square feet) will control goosegrass. Under heavy goosegrass pressure and/or extended growing season, the most effective weed control may be obtained by making and an initial application of 0.65 to 1.0 lbs ai/acre (equal to 232 lbs to 357 lbs/acre of this product per acre or equal to 5.3 lbs to 8.2 lbs of product / 1,000 square feet) followed by a second application 60 to 90 days later at doses that would not exceed the maximum annual rate for the turf grass species listed in the Maximum Annual Rate table.

<sup>2</sup>Applications for this weed should be made in late summer, fall, or winter prior to germination.

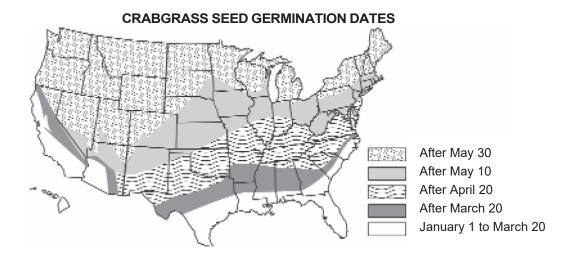
<sup>3</sup>Suppression only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates for each turf species. All applications must be made prior to germination of the weed seeds.

# **APPLICATION DIRECTIONS**

Apply uniformly with suitable, calibrated application equipment.

# **ESTABLISHED TURF:**

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf 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 Rate section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation prior to weed seed germination and within 14 days following application. The map below lists approximate crabgrass seed germination dates.



# **USE PRECAUTIONS FOR TURF GRASS AND LAWNS**

- Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
- Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the 2<sup>nd</sup> inch of soil, not thatch plus soil.
- Do not cut (harvest) treated sod before 120 days after application.
- Do not apply to newly set sod until the following year.
- Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
- Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
- 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**

This product may be applied as a single application or in two sequential applications 60-90 days apart 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. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied. Do not make more than two (2) applications per calendar year.

# **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 ProClipse 0.28% Fertilizer / Calendar Year by Turf Grass Species <sup>(1)</sup>				
	Lbs. Product / Acre Lbs. Product / 1,000 sq. ft Lbs. ai /acre			
Turf Species:				
Creeping Bentgrass	232	5.3	0.65	
Creeping Red Fescue	268	6.1	0.75	
Buffalograss	357	8.2	1.0	

Kentucky Bluegrass Perennial Ryegrass			
Bermudagrass (2)	536	12.3	1.5
Bahiagrass			
Centipedegrass			
Seashore Paspalum			
St. Augustinegrass			
Tall Fescue (including turf-type)			
Zoysia			

<sup>&</sup>lt;sup>1</sup>These are the maximum rate per calendar year by species limitations.

<sup>2</sup>May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 0.5 lbs ai/acre acre (equal to 179 lbs/acre of product per acre or equal to 4.1 lbs of product / 1,000 square feet). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Only suppression of foxtail, goosegrass, and rescuegrass will be obtained due to reduced product rates used in sprigging situations.

Do not apply more than 1.5 lbs ai/acre per calendar year (equal to 536 lbs/acre of product per acre or equal to 12.3 lbs of product / 1,000 square feet).

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.

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

ProClipse 0.28% Fertilizer Rate lbs/acre	ProClipse 0.28% Fertilizer Rate lbs/1,000 sq ft	Lbs. ai/acre	Months Before Overseeding		
			North	Transition	South
179	4.1	0.5	4	4	4
232	5.3	0.65	5	4	4
268	6.1	0.75	6	5	5
286	6.6	0.8	-	6	6
357	8.2	1.0	-	7	7
407	9.3	1.14	-	-	9
464	10.7	1.3	-	-	10
536	12.3	1.5	-	-	12

# LANDSCAPE ORNAMENTALS

Including Established Perennials and Wildflower Plantings

This product may be applied for residual preemergence weed control in ornamentals.

# **Use Rates and When to Apply**

Apply in the fall and / or spring at 0.65 to 1.5 lbs ai/acre, which equals 5.3 to 12.3 lbs of this product per 1,000 square feet of ornamental plantings. Use the higher rates of application for longer periods of control. Two sequential applications may be made 60-90 days apart as long as the total amount of product applied does not exceed the maximum annual application rate of 1.5 lbs ai per acre.

# **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 it into 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 water thoroughly before applying this product. 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.

# HOW MUCH OF THIS PRODUCT AND WHEN TO APPLY - ORNAMENTALS

ProClipse 0.28% Fertilizer Rate Ibs/acre	ProClipse 0.28% Fertilizer Rate lbs/1,000 sq ft	Lbs. ai/acre
179	4.1	0.5
232	5.3	0.65
268	6.1	0.75
286	6.6	0.8
357	8.2	1.0
407	9.3	1.14
464	10.7	1.3
536	12.3	1.5

# **Tolerant Ornamental Species**

This product will not harm most trees, shrubs, vines, and flowers. This product may be applied in all states to species listed below in Table 1. This product may be applied in all states except California to species in Table 2. This product may be applied over the top of the listed 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

Common Name	Scientific Name	Common Name	Scientific Name
Aleppo Pine	Pinus halepensis	Hottentot Fig (Ice Plant)	Carpobrotus edulis
Almond, Apricot, Nectarine, Peach, Plum and Prune*	Prunus spp.	Ice Plant	Maleophora luteola
American Arborvitae	Thuja occidentallis	Indian Hawthorne	Raphiolepsis indica
American Dogwood	Cornus stolonifera	Iris species**	Iris spp.
American Holly	llex opaca	Italian Cypress	Cupressus sempervirens
Amur Privet	Ligustrum amurense	Japanese Aralia	Fatsia japonica
Austrian Black Pine	Pinus nigra	Japanese Aucuba	Aucuba japonica
Avocado*	Persea americana	Japanese Barberry	Berberis thunbergii
Barberry	Berberis gladwynensis	Japanese Black Pine	Pinus thunbergiana
Bearberry Cotoneaster	Cotoneaster dammeri	Japanese Boxcherry	Syzygium paniculatum
Big Blue Lillyturf	Liriope muscari	Japanese Boxwood	Buxus microphylla
Border Forsythia	Forsythia intermedia	Japanese Holly	llex crenata

Common Name	Scientific Name	Common Name	Scientific Name
Bradford Pear	Pyrus spp.	Japanese Honeysuckle	Lonicera japonica
Calabrian Pine	Pinus brutia	Japanese Maple	Acer palmatum
Canada Hemlock	Tsuga canadensis	Japanese Pittosporum	Pittosporum tobira
Canary Island Viburnum	Viburnum rigidum	Japanese Privet	Ligustrum japonicum
Cape Weed	Arctotheca calendula	Japanese Snowball	Viburnum plicatum
		Jananasa Chindla Tras	Euonymus japonica
Chinese Hibiscus**	Hibiscus Rosasinensis	Japanese Spindle Tree	
		(Evergreen Euonymus)	
Chinese Holly**	llex cornuta	Japanese Viburnum	Viburnum japonicum
Chinese Juniper	Juniperus chinensis	Japanese Yew	Podocarpus macrophyllus
Citrus species*	Citrus spp.	Japanese Yew	Taxus cuspidata Actinidia
Cleyera	Cleyera japonica	Kiwi*	Actinidia chinensis
Corel Bells	Raphiolepsis indica	Lady Bank's Rose	Rosa banksiae
Cotoneaster	Cotoneaster buxifolius	Laurustinus	Viburnum tinus
Crabapple*	Malus spp.	Leatherleaf Fern	Rumohra adiantiformis
Cranberry Bush	Viburnum trilobium	Leatherleaf Viburnum	Viburnum wrightii
Cranberry Cotoneaster	Cotoneaster apiculatus	LilyoftheNile (African Lily)	Agapanthus africanus
Crape Myrtle	Lagerstromia indica	LilyoftheValley Shrub	Pieris japonica
Creeping Juniper	Juniperus horizontalis	Loblolly Pine	Pinus taeda
Douglas Fir**	Pseudotsuga menziesii	Longleaf Pine	Pinus palustrus
Dwarf Periwinkle	Vinca minor	Magnolia species**	Magnolia spp.
Eastern White Pine	Pinus strobus	Mentor Barberry	Berberis mentorensis
English Ivy	Hedera helix	Mondo Grass**	Ophiopogon japonicus
English Laurel	Prunus laurocerasus	Monterey Pine	Pinus radiata
False Cypress	Chamaecyparis pisifera	Narcissus species**	Narcissus spp.
Feathery Cassia	Cassia artemisioides	Norway Maple	Acer platanoides
Firethorn	Pyracantha fortuneana	Old Fashioned Weigela	Weigela florida
Firethorn	Pyracantha koidzumii	Oleander	Nerium spp.
Firethorn Scarlet	Pyracantha coccinea	Olive*	Olea europaea
Formosa	Rhododendron (including Azalea)	Pampas Grass	Cortaderia selloana
Flowering Dogwood	Cornus florida	Pistachio*	Pistacia spp.
Fraiser's Photinia (Redtip)	Photinia fraseri	Queensland Pittosporum	Pittosportum rhombifolium
Gardenia, CapeJasmine	Gardenia jasminoides	Red Oak	Quercus rubra
Gladiolus species**	Gladiolus spp.	Rockspray Cotoneaster	Cotoneaster microphyllus
Glossy Privet (WaxLeaf)	Ligustrum lucidum	Rose of Sharon**	Hibiscus
Grape*	Vitis spp.	Rosemary*	Rosmarinus officinalis
·		Roseum Elegans	Rhododendron
Greenstem Forsythia	Forsythia viridissima	Roseum Elegans	(including Azalea)
Hawthorne	Crataegus spp.	Scotch Heather	Calluna vulgaris
Heavenly Bamboo	Nandina domestica	Scotch Pine	Pinus sylvestris
Hino-crimson	Rhododendron (including Azalea)	Shrimp Plant	Justicia brandegeana
Holly	Ilex pernyi	Silverberry	Elaeagnus pungens
Hop bush	Dodonea viscosa	Slash Pine	Pinus elliottii
Spanish Bayonet	Yucca aloifolia	Virginia Pine	Pinus virginiana
Spreading Euonymus	Euonymus kiautschovicka	Walnut*	Juglans spp.
Sourwood	Oxydendrum arboreum	Warty Barberry	Berberis verruculosa
Star Jasmine	Trachelospermum asiatum	Weeping Bottlebrush	Callistemon viminalis
Stonecrop	Sedum album	White Trailing Ice Plant	
•		Wild Lilac	Delosperma alba
Shore Juniper Spruce species** (Colorado	Juniperus conferta Picea spp.	Winter Jasmine	Ceanothus rigidus  Jasminium nudiflorum
Blue, Norway, etc.)		Mintoney	
Sweet Viburnum	Viburnum odoratissimum	Wintercreeper	Euonymus fortunei
Tatarian Honeysuckle	Lonicera tatarica	Wintergreen Barberry	Berberis julianae
Trailing African Daisy	Osteospermum fruticosum	Yaupon Holly	Ilex vomitoria
Tulip species	Tulipa spp.	Yew	Taxus media
Vinca	Vinca major	Yucca, Adam's Needle	Yucca filamentosa
Vine Hill Manzanita	Arctostaphylos densiflora		

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

Table 2. Tolerant Ornamental Species – All States Except CA

Common Name	Scientific Name	Common Name	Scientific Name
Abelia: Sherwood	Abelia grandiflora	Hosta, 'Searsucker'	Hosta sieboldiana Houttuynia cordata var. variegate
Aquilegia: Red and Gold	Aquilegia spp.	Hosta, Plantain Lily (Fragrant)	Hosta plantaginea
Arrowood Viburnum	Viburnum suspensum	Japanese Anemone	Anemone hybrida
Aster: Bonny Blue, Purple	Aster spp.	Lady Fern; Fern Lady	Athyrium filix-femina
Dome	Aster X frikartii	Lady's Leek, Nodding Onion	Allium cernuum
Australian Brushcherry	Syzygium paniculatum	Larkspur; Blue Elf	Delphinium spp.
Baby's Breath	Gyposophila repens	Lavender; Munstead	Lavender spp.
Bigleaf Hydrangea	Hydrangea macrophyllalnula ensifolia	Lily: Jazz	Lilium spp.
BlackEyed Susan: Goldstrum	Rudbeckia spp.	Lily of the Nile	Agapanthus orientlis
Bougainvillea	Bougainvillea spp.	Liriope, Creeping	Liriope spicata
Burgundy	Loropetalum chinense	Liriope, Variegated	Liriope muscari var. variegata
ButterflyBush (Dwarf Blue); Royal Red	Buddleia davidii	Loosestrife; Modern Pink Jodlesong Trumpet Creeper,	Lythrum spp.
Cardinal Flower, Indian Pink	Lobelia cardinalis	Lucifer	Crocosmia spp.
Cheddar Pink	Dianthus gratianopolitanus	Mallow; Disco Belle White	Hibiscus spp.
Chinese Privet; Variegata	Ligustrum sinense	Meadow Rue	Thalictrum dipterocarpum
Columbine; Red and Gold	Aquilegia spp.	Oak, Shumard's Red	Quercus shumardii
Coneflower, Purple; Magnus	Echinacea purpurea	Osmanthus (False Holly): Gulf Tide	Osmanthus heterophyllus
Cooperi Pink	Delosperma spp.	Parsoni	Juniperus davurica
Coral Bell; Bridget Bloom	Heucherella spp.	Pincushion Flower	Scabiosa spp.
Coreopsis (Calliopsis): Early Sunrise, Moonbeam	Coreopsis spp.	Saxifrage; Purple Dome	Saxifraga spp.
Cransbill	Geranium cinereum	Siberian Iris; Cabernet	Iris sibirica
Crape Myrtle; Tuscarora	Lagerstromia indica x fauriei	Snowbank Spirea:	Boltonia asteroides
Crimson Bottlebrush	Callistemon citrinius	Anthony Waterer	Spiraea bumalda
Daylily: Aztec Gold, Stella De Oro, Tender Love	Hemerocallis spp.	Stonecrop	Sedum dasyphyllum
Delaware Valley White	Rhododendron (including Azalea)	Stonecrop; Dragon's Blood;	Sedum spurium
Dianthus, Maiden Pinks Zing	Dianthus deltoides	Stonecrop; Lidakense	Sedum cauticola
Dragonhead, False; Vivid	Physostegia virginiana	Sunrose	Helianthemum spp.
Edelweiss	Leontopodium alpinum	Sword-Leaved Iris	Iris ensata
Evening Primrose	Oenothera missourensis	Trumpet Creeper, Trumpet	Campis X tagliabuana

Common Name	Scientific Name	Common Name	Scientific Name
Flame Creeper	Rhododendron (including Azalea)	Flower Madame Galen	Ceratostigma plumbaginoides Chrysanthemum nipponicum
Fibrous Begonia: Hardy	Begonia spp.	Tree Peony	Paeonia suffruticosa
Grandis	Bergenia cordifolia	Tussock Bellflower; (White Clips)	Campanula carpatica
Fountain Grass (Dwarf)**	Pennisetum setaceum perovskia atriplicifolia	Veronica, Speedwell; Sunny Border	Veronica spp.
FiveLeaf or Chocolate Vine	Akebia quintata	Wakeiebisu	Rhododendron (including Azalea)
Gaillardia, Blanket Flower:	Gaillardia spp.	Weeping Forsythia	Forsythia syspensa
'Goblin'	Gaura spp.	Weeping Lantana	Lantana montevidensis
Gentian	Gentiana dahurica	White Gumpo	Rhododendron (including Azalea)
George L. Tabor	Rhododendron (including Azalea)	Wormwood; Silver Mound, Castle	Artemisia spp.
Germander	Teucrium spp.	Yaku Jima**, Silberfeder**	Miscanthus sinensis
Girard Crimson	Rhododendron (including Azalea)	Yarrow: King Edward	Achillea spp. Agapanthus orientalis
Grape Myrtle; Tuscarora	Lagerstromia indica x fauriei	Yedda Hawthorne	Raphiolepsis umbellata

<sup>\*</sup>Do not use on food producing trees, vines, or plants.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry place. Keep container closed and away from food, feedstuffs, and domestic water supplies.

**CONTAINER DISPOSAL:** Nonrefillable 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.

#### WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER, AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, CROP OR PLANT DAMAGE, OR LOSS OF YIELD, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE WEATHER, WIND, AND TEMPERATURE, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER, AND ASSUMED BY BUYER OR USER.

THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER OR MANUFACTURER, AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER

<sup>\*\*</sup>Not for use on container grown plants

OR SELLER HAS ANY AUTHORITY TO MAKE ANY OTHER REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS. NO WARRANTIES SHALL BE CREATED BY COURSE OF DEALING, USAGE OF TRADE, OR COURSE OF PERFORMANCE.

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF. THE SELLER OR MANUFACTURER ASSUMES NO RESPONSIBILITY THAT THE GOODS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING OR USING THE GOODS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT.

#### LIMITATION OF LIABILITY WARNING

EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL TO MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NEITHER MANUFACTURER NOR SELLER SHALL BE LIABLE TO BUYER OR USER OR TO CUSTOMERS OF BUYER, IF ANY, FOR INDEMNIFICATION OR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER. RESULTING FROM OR BY REASON OF OR RISING OUT OF THE USE. MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE GOODS AND, IF BUYER OR USER WISHES, THE RETURN OF THE GOODS BY BUYER TO SELLER.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the goods, and return it unopened to the Seller, and the purchase price will be refunded. By using the goods, you expressly agree to all of the terms and conditions of this contract.

(RVmmddyy)