



TURF FERTILIZER
with PRODIAMINE 0.37%

18-0-4
.37% Prodiamine, PCSCU
GUARANTEED ANALYSIS
Total Nitrogen (N) 18.0%
18.0% Urea nitrogen*
Soluble Potash (K₂O) 4.0%

Plant foods derived from: Urea, Muriate of Potash and Poly Coated Sulfur Coated Urea.

*5.4% slowly available urea nitrogen from poly coated sulfur coated urea.

325-5000 genericpocket

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

FOR PRE-EMERGENCE CONTROL OF GRASS AND BROADLEAF WEEDS IN LAWNS AND ORNAMENTAL TURF (excluding golf course putting greens)

LANDSCAPE ORNAMENTALS, ESTABLISHED PERENNIALS AND WILDFLOWER PLANTINGS STOPS MANY WEED GRASSES BEFORE THEY GROW PREVENTS CRABGRASS, ANNUAL BLUEGRASS, FOXTAIL

ACTIVE INGREDIENT:	
Prodiamine (CAS # 29091-21-0)	0.37%
INERT INGREDIENTS:	99.63%
TOTAL:	100.00%

EPA Reg. No. 53083-172-57131

EPA Est. No. 67131-W-1

Net Wt. 50 lbs. (22.7 kg.)

KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or repeated skin contact with product may cause allergic reactions to some individuals.

FIRST AID	
IF IN EYES:	- Hold eyes open and rinse slowly and gently with water for 15-20 minutes. - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. - Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	- Call a poison control center or physician immediately for treatment advice. - Have person sip a glass of water if able to swallow. - Do not induce vomiting unless told to do so by the poison control center or physician. - Do not give anything by mouth to an unconscious person.
IF INHALED:	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. - Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

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 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 areas. Do not contaminate water when disposing of equipment washwaters.

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, 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.

Not for use on turf being grown for sale or other commercial use as seed, or for commercial seed production, or for research purposes.

This product is a pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established lawns and ornamental turf (including golf course putting greens), landscape ornamentals and established perennial and wildflower plantings. It controls susceptible weeds by inhibiting weed seeds, germination and root development. When used according to directions, it will control: bermudagrass; bluegrass; annual (For annual, carpetweed, chickweed, common chickweed, mouseear (from seed), crabgrass (large, smooth), cerebellargrass, cymopter, ivy, foxtail, annual goosegrass; henbit; fatigues; phloxenegrass (from seed); prostrate knotweed; knotweed; knotgrass; common; bluegrass; pansicum (from seed); knotweed; pigweed; purslane; common penny; Florida ricegrass; sheep's-purse; signalgrass; broadleaf speedwell; Purslane; spurge; spurge; prostrate; wildgrass; woodcock, yellow (from seed).

In many areas a single application of 3.2 to 9.3 pounds/1,000 square feet (144 to 406 pounds/acre) will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained with an initial application of 3.2 to 6.2 pounds/1,000 square feet (144 to 270 pounds/acre), followed after 60 to 90 days by a second application at doses that would not exceed the maximum annual rate (see Minimum and Maximum Application Rate by Turfgrass Species table in the Rates of Application section of this label).

*For this weed, apply in late summer, fall or earlier prior to germination.

*Suppression only.

WHEN TO APPLY TO ESTABLISHED TURF: This product must be applied prior to germination of weed seeds, as it will not control established weeds.

THIS MAP SHOWS APPROXIMATE CRABGRASS GERMINATION DATES



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.

USE PRECAUTIONS: The following precautions apply to the use of this product in turf grasses and lawns. Application of this product may kill 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 second inch of soil (soil flush plus soil). Do not apply to newly laid seed until the following year. Application to turf allowed by drought, low fertility, or poor drainage may result in turf injury. Disabling 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 dandelion, 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 kept out from treated areas.

RATES OF APPLICATION: This product 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 exceed the maximum yearly rate listed.

MINIMUM AND MAXIMUM APPLICATION RATES (by Turf Grass Species)		
Turf Species	Minimum Rate	Maximum Annual Rate ¹
Bahamas, Bermudagrass ²	2.7 lb/1,000 sq. ft. (118 lbs/acre)	9.3 lb/1,000 sq. ft. per year (406 lbs/acre per year)
Centipedegrass, Zoysia, St. Augustinegrass, Tall Fescue (including turf-type)	2.7 lb/1,000 sq. ft. (118 lbs/acre)	6.2 lb/1,000 sq. ft. per year (270 lbs/acre per year)
Creeping Bentgrass	2.7 lb/1,000 sq. ft. (118 lbs/acre)	4.6 lb/1,000 sq. ft. per year (202 lbs/acre per year)
Creeping Bentgrass	2.7 lb/1,000 sq. ft. (118 lbs/acre)	4.0 lb/1,000 sq. ft. per year (175 lbs/acre per year)

¹These are the maximum rates per calendar year. ²May be used on newly sponged or plugged Bermudagrass at rates not to exceed 9.3 pounds/1,000 square feet (145 pounds/acre). Annually sponged or plugged Bermudagrass alone seeding may be temporarily retarded. Suppression only of lateral, goosegrass and ricegrass due to reduced tiller used in sponging situations.

This product may be applied as a single application or in sequential applications 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 rate recommended 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.

WHEN TO OVERSEED AFTER APPLICATION: This product will inhibit germination of turf seed if overseeded too soon after application. Follow rates and intervals in table for best overseeding/seedling results (see map).

USE RATE	MONTHS BEFORE OVERSEEDING	
	North	South
3 pounds/1,000 sq. ft. (135 pounds/acre)	4	4
4 pounds/1,000 sq. ft. (175 pounds/acre)	5	4
4.6 pounds/1,000 sq. ft. (202 pounds/acre)	6	5
4.9 pounds/1,000 sq. ft. (215 pounds/acre)	6	6
6.2 pounds/1,000 sq. ft. (270 pounds/acre)	-	7
7 pounds/1,000 sq. ft. (315 pounds/acre)	-	9
8 pounds/1,000 sq. ft. (350 pounds/acre)	-	10
9.3 pounds/1,000 sq. ft. (406 pounds/acre)	-	12

LANDSCAPE ORNAMENTALS: (including established perennials and wildflower plantings) This product may be applied for residual pre-emergence weed control in ornamentals. Apply at the rate of 2.7 to 9.3 pounds/1,000 square feet (118 to 406 pounds/acre) 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 9.3 pounds/1,000 square feet (406 pounds/acre) per year.

APPLICATION TIMING AND INFORMATION: This product may be applied to newly transplanted and established ornamentals at broadcast, over the top or directed application. Around new transplants, delay application to allow soil to settle and water thoroughly before applying. Apply after cutting lawn roots and before establishment. Apply before budbreak/germination or after budbreak/germination have taken to avoid any inhibition of the floral union. This product is a pre-emergence herbicide and will not control emerged weeds. More 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 duds, 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.

TOLENTANT ORNAMENTAL SPECIES: This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when product is uniformly applied to the soil surface, aerial spraying to ornamental shrubs which may deflect the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species. When plants are under stress (such as heat, drought or frost damage) some tolerance of leaf plants may be sensitive to this product.

SCIENTIFIC NAME

Abies spp.
Abelia grandiflora
Acer palmatum
A. Platanoides
Achillea spp.
Actinidia chinensis
Agapanthus africanus
Agapanthus orientalis
Aklavia quinata
Allium cernuum
Anemone hybrida
Aquilegia spp.
Arctostaphylos densiflora
Arctostaphylos calendula
Artemisia spp.
Aster spp.
Aster X Frikartii
Atrium Filix-ferina
Aucuba japonica
Begonia spp.
Berberis gracilymenis
B. julianae
B. mentiensis
B. thunbergii
B. verruculosa
Bergeria cordata
Boltonia asteroides
Buddleia davidii
Bunus microphylla
Callisamon virginica
Calluna vulgaris
Campanula carpatica
Campis X Tagliabuona
Carpobrotus edulis
Cassia artemisioides
Castanopsis rigidus
Ceratostigma plumbagooides
Chamaecyparis pisifera
Cleyera japonica
Citrus spp.
Coreopsis spp.
Cornus florida
C. Sikkimensis
Cordicarpus setosus
Cotoneaster spicatus
C. buxifolius
C. dammeri
C. microphyllus
Cretaceus spp.
Crocosmia spp.
Cyperus tenuis
Delosperma alba
Delosperma spp.
Delphinium spp.
Dianthus deltoideus
D. gratiopolitanus
Dodonaea viscosa
Echinacea purpurea
Elaeagnus pungens
Euonymus fortunei
E. japonica
E. kiusuchovica
Fatsia japonica
Forsythia intermedia
Forsythia suspensa
F. viridissima
Gaillardia spp.
Gardenia jasminoides
Gaura spp.
Gentiana dahurica
Geranium cinereum
Glaucium spp.
Gypsophila repens
Hedera helix
Helleborum spp.
Hemerocallis spp.
Hibiscus
Hibiscus spp.
Hibiscus rosa-sinensis
Hoeia platyphloea
H. Sieboldiana
Houttuynia cordata var. variegata
Hydrangea macrophylla
Ilex Berry
Ilex cornuta
I. crenata
I. opaca
I. verticillata
I. xantheifolia
Iris ensata
Iris sibirica
Iris spp.
Jasminum nudiflorum
Jasminum chinensis
J. cordata
J. diversiflorum
J. horizontalis
Juglans spp.
Jussiaea brandegeana
Lagerströmia indica
Lagerströmia indica X Faurii
Larix laricina
Lamellaria spp.
Leonopodium alpinum
Ligustrum amurense
Ligustrum sinense
L. japonicum
L. lucidum
Lilium spp.
Liriodendron muscari
Liriodendron muscari var. variegata
Liriodendron spicata
Lobelia cardinalis
Lonocera japonica
L. laticarpa
Loropetalum chinense
Lythrum spp.
Magnolia spp.
Malacophora luteola
Malus spp.
Miscanthus sinensis
Nandina domestica
Narcissus spp.
Nerium oleander
Nias scopulorum
Ochopogon japonicus
Ornithoglossum heterophyllum
Osteospermum fulvum
Oxydendrum arborescens
Paeonia suffruticosa
Pennisetum setaceum
Perovskia atriplicifolia
Petrea americana
Phloxia Frazar
Physocarpus Virginiana
Picea spp.
Pieris japonica
Pinus brutia
P. canariensis
P. Elliottii
P. halepensis
P. nigra
P. palustris

COMMON NAME

Fr species** (Balsam, Fraser, Noble, etc.)
Abelia: Sherwood
Japanese Maple
Norway Maple
Yarrow: King Edward
Kiss
Lily-of-the-Nile (African Lily)

Five-Leaf or Chocolate Vine
Lady's Leek, Nodding Onion
Japanese Anemone
Aquilegia: Red and Gold
Vine Hill Manzanita
Cape Weed
Warmwood, Silver Mound, Castle
Aster: Bonnie Blue, Purple Dome

Lady Fern; Fern Lady
Japanese Aucuba
Floxus Begonia: Hardy Grandis
Barberry
Whitegreen Barberry
Mentor Barberry
Japanese Barberry
Warty Barberry

Snowbank
Butterfly-Bush (Dwarf Blue); Royal Red
Japanese Boxwood
Weeping Boleborush
Scottish Heather
Tussock Bellflower; (White Clips)
Trumpet Flower; Macrama Golden
Hotterlot Fig (Ice Plant)
Feathery Cassia
Wild Lilac

False Cypress
Cleyera
Citrus species*
Coreopsis (Callopsis) Early Sunrise, Moonbeam
Flowering Dogwood
American Dogwood
Pennisetum Grass
Common Cotoneaster
Cotoneaster
Bearberry Cotoneaster
Rockspray Cotoneaster
Hawthorne
Luchler
Italian Cypress
White Trailing Ice Plant
Cooper Pink
Larkspur: Blue Elf
Dianthus: Maiden Pink; "Zing"
Cheddar Pink
Hop Bush
Coneflower, Purple; Magnus
Silverberry
Wintercreeper
Evergreen Euonymus
Spreading Euonymus
Japanese Aralia
Border Forsythia
Weeping Forsythia
Greenstem Forsythia
Gaillardia, Blanket Flower; "Goblin"
Gardenia, Cape-Jasmine

Gentian
Cranesbill
Gladiolus species**
Baby's Breath
English
Sunrose
Daylily; Aztec Gold, Stella de Oro, Tender Love
Rose of Sharon**
Meflow; Disco Belle White
Chinese Hibiscus
Hoeia, Plain Lily (Fragrant)
Hoeia, "Soersucker"

Bigleaf Hydrangea
Holly
Chinese Holly
Japanese Holly
American Holly
Yapoun Holly; Schillinge

Sword Leaved Iris; Jodessong
Siberian Iris; Cabernet
Iris species**
Winter Jasmine
Chinese Juniper; Nick's Compact, Pansoni
Shore Juniper; Blue Pacific
Parson
Creeping Juniper
Wahut**
Shrimp Plant
Cape Myrtle
Cape Myrtle; Tuscarora
Weeping Lantana
Lavender; Munstead
Edelweiss
Amur Privet
Chinese Privet; Variegata
Japanese Privet
Glossy Privet (Waxleaf)
Lily Jazz
Big Blue Lily; Silver Mound, Evergreen Giant
Liriodendron variegata
Liriodendron
Creeping
Cardinal Flower; Indian Pink
Japanese Honeysuckle
Tatarian Honeysuckle
Bergundy
Loosestrife; Modern Pink
Magnolia species**
Ice Plant
Crabapple*
Yaku Jima, Silberfeder
Heavenly Bamboo
Narcissus species**
Oleander
Olive*
Mondo Grass
Osmorhiza (False Holly); Gulf Tide
Trailing African Daisy
Sourwood
Tree Peony
Fountain Grass (Dwarf)

Avocado*
Fraser's Phloxia (Redlip)
Dragonhead, False; Vivid
Spruce species** (Colorado Blue, Norway, etc.)
Lily-of-the-Valley Bush
Calabrian Pine
Canary Island Pine
Slash Pine
Aleppo Pine
Austrian Pine
Longleaf Pine

P. radata
P. strobus
P. sylvestris
P. taeda
P. thunbergiana
P. virginiana
Psalischo spp.
Pterisporum rhomboidum
P. lobata
Podocarpus macrophyllus
Prunus laurocerasus
Prunus spp.
Pseudotsuga menziesii
Pyracantha coccinea
P. fortuneana
P. koidzumii
Pyrus spp.
Quercus shumardii
Quercus spp.
Raphiolepis indica
Raphiolepis umbellata
Rivodendron
(including Azalea)

Rosa banksiae
Rosmarinus officinalis
Rutbeckia spp.
Santolina vitifolia
Saxifraga spp.
Scabiosa spp.
Sedum album
Sedum caulefolia
Sedum dasycarpum
Sedum spurius
Spiraea burbankii
Syringium paniculatum
Taxus canadensis
T. media
Teucrium spp.
Thalictrum dactyloperum
Thuja occidentalis
Thrinacospermum asiaticum
Thuja canadensis
Tilia spp.
Veronica spp.
Viburnum japonicum
V. odoratissimum
V. plicatum
V. rigidum
V. suspensum
V. tinus
V. trilobum
V. wrightii
Vinca major
Vinca minor
Vitis spp.
Weigelia florida
Yucca aloifolia
Y. filamentosa
*Do not use on food producing trees, vines or plants.
**Not for use on container grown plants.

Monterey Pine
Eastern White Pine
Scotch Pine
Loblolly Pine
Japanese Black Pine
Virginia Pine
Pineapple
Queenland Pittosporum
Japanese Pittosporum
Japanese Yew
English Laurel
Almond, Apricot, Nectarine, Peach, Plum and Prune
Douglas Fir**
Frischorn (Scottlet)
Frischorn
Frischorn
Bradford Pear spp.
Oak, Shumard's Red
Oak species
Indian Hawthorne
Nedda Hawthorne
"Coral Bells"; "Formosa"; "Hino-crimson"; "PJM"
"Delaware Valley White"; "Roseum Elegans";
"Flame Creeper"; "Grand Crimson"; "Wakaba";
"White Gumbo"; "George L. Tabor"
Lady Bank's Rose
Rosemary*
Black-Eyed Susan; Goldsrum
Santolina
Saxifrage; Purple Dome
Pincushion Flower
Stonecrop
Stonecrop; Lidakense
Stonecrop
Stonecrop; Dragon's Blood
Spiraea; Anthony Waterer
Australian Brutcherry
Japanese Yew
Yew
Germender
Meadow Rue
American Arborvitae
Star Jasmine
Canada Hemlock
Lily species
Veronica; Speedwell; Sunny Border
Japanese Viburnum
Sweet Viburnum
Japanese Snowball
Canary Island Viburnum
Aronwood Viburnum
Laurustinus
Cranberry Bush
Leatherleaf Viburnum
Grease; Periwinkle; Vinca
Common Periwinkle; Vinca
Grape*
Old Fashioned Weigela
Spanish Sanyon; Yucca
Adam's Needle; Yucca

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Store in original container in a dry place. Store in locked area out of reach of children and domestic animals.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spilled bait, or residue is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional Office for Guidance.
CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Empty container through use according to label instructions. Do not rinse unless required for recycling. Offer for recycling, if available. If recycling is not available; then dispose of container in a sanitary landfill, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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 The Manufacturer or the Seller. All such risks shall be assumed by the Buyer.

The Manufacturer 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.

THE MANUFACTURER 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. THIS WARRANTY EXTENDS TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNING, OR CAUTIONS. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. THE MANUFACTURER and the seller offer this product, and the Buyer and User accept it, subject to the foregoing CONDITIONS OF SALE AND WARRANTY.

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