



**TURF FERTILIZER**  
with PRODIAMINE 0.37%



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

<b>ACTIVE INGREDIENT:</b>	
Prodiamine (CAS # 29091-21-2) .....	0.37%
<b>OTHER INGREDIENTS:</b> .....	99.63%
<b>TOTAL:</b> .....	100.00%

EPA Reg. No.53883-172-57131

EPA Est. No. 57131-WI-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 in some individuals.

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<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 treatment 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 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 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 sod, or for commercial seed production, or for research purposes.

Apply only to actively growing turf. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands in the driveway, sidewalk, or street, back onto your lawn. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with your county or city government to determine if there are local regulations for fertilizer use.

This product 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 weed seeds, germination and root development. When used according to directions, it will control: barnyardgrass; bluegrass; annual (*Poa annua*); carpetweed; chickweed; common; chickweed; mouseear (from seed); crabgrass (large, smooth); cowfootgrass; cupgrass; woolly; foxtails; annual; goosegrass<sup>1</sup>; henbit; itchgrass; johnsongrass (from seed); junglerice; knotweed; kochia; lambquarters; common; lovegrass; panicum (Texas, fall, browntop); pigweed; purslane; common; pusley; Florida; rescuegrass<sup>2</sup>; shepherd's purse<sup>2</sup>; signalgrass; broadleaf; speedwell; Persian; sprangletop; spurge; prostrate; witchgrass; wood sorrel; yellow (from seed).

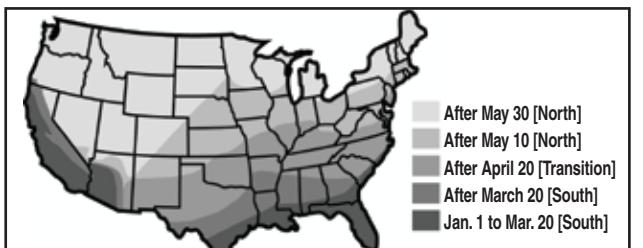
<sup>1</sup>In many areas a single application of 4.1 to 9.3 pounds/1,000 square feet (175 to 405 pounds/acre) will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained with an initial application of 4.1 to 6.2 pounds/1,000 square feet (175 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).

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

<sup>3</sup>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 of application.

**USE PRECAUTIONS:** 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 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 (not thatch plus soil). 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:** 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 <sup>1</sup>
Bahiagrass, Bermudagrass <sup>2</sup>	2.7 lbs/1,000 sq. ft. (118 lbs/acre)	9.3 lbs/1,000 sq. ft. per year (405 lbs/acre per year)
Centipedegrass, Zoysiagrass, Seashore Paspalum, St. Augustinegrass Tall Fescue (including turf-type)		
Buffalograss Kentucky Bluegrass Perennial Ryegrass	2.7 lbs/1,000 sq. ft. (118 lbs/acre)	6.2 lbs/1,000 sq. ft. per year (270 lbs/acre per year)
Creeping Red Fescue	2.7 lbs/1,000 sq. ft. (118 lbs/acre)	4.6 lbs/1,000 sq. ft. per year (202 lbs/acre per year)
Creeping Bentgrass	2.7 lbs/1,000 sq. ft. (118 lbs/acre)	4.0 lbs/1,000 sq. ft. per year (175 lbs/acre per year)

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

<sup>2</sup>May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 3.3 pounds/1,000 square feet (145 pounds/acre). 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.

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 rates 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/reseeding results (see map).

USE RATE	MONTHS BEFORE OVERSEEDING		
	North	Transition	South
3 pounds/1,000 sq. ft. (135 pounds/acre)	4	4	4
4 pounds/1,000 sq. ft. (175 pounds/acre)	5	4	4
4.6 pounds/1,000 sq. ft. (202 pounds/acre)	6	5	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
7 pounds/1,000 sq. ft. (308 pounds/acre)	-	-	9
8 pounds/1,000 sq. ft. (350 pounds/acre)	-	-	10
9.3 pounds/1,000 sq. ft. (405 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 405 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 (405 pounds/acre) per year.

**APPLICATION TIMING AND INFORMATION:** This product may be applied to newly transplanted and

SPREADERS	4 lbs Per 1,000 Sq. Ft.
Lesco Rotary	F-G
Spiker 24-22	4
Scott's R8A	1
Prizelawn CB Rotary	4
Earthway 2400 Rotary	17
Lely Broadcast	3.4

**TOLERANT 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; avoid applying to ornamental shrubs 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 are under stress (such as heat, drought or frost damage) some cultivars of listed plants may be sensitive to this product.

SCIENTIFIC NAME	COMMON NAME
Abies spp.	Fir species* (Balsam, Frasier, Noble, etc.)
Abelia grandiflora	Bittersweet
Acer palmatum	Japanese Maple
A. Platanoides	Norway Maple
Achillea spp.	Yarrow, King Edward
Agastache foeniculum	Kiwi*
Agastanthus orientalis	Lily-of-the-Ville (African Lily)
Achimenes chinensis	Five Leaf or Chocolate Vine
Aegopodium podagraria	Lady's Leek, Nodding Onion
Allium cernuum	Japanese Anemone
Anemone hybrida	Aquilegia Red and Gold
Aquilegia spp.	Vine Hill Marigold
Agapanthus africanus	Cape Weed
Agave spp.	Wormwood; Silver Mound, Castle
Artemesia spp.	Aster Bonnie Blue, Purple Dome
B. Thunbergii	Lady Fern; Fern Lady
B. vulgaricola	Japanese Aucuba
Begonia spp.	Butterfly Bush (Dwarf Blue); Royal Red
Berberis gladiatrix	Japanese Boxwood
Buxus microphylla	Weeping Bottlebrush
Calistemon viminalis	Scotch Heather
Calluna vulgaris	Tussock Bellflower, (White Clips)
Campanula carpatica	Trumpet Flower, Madame Galen
Camassia esculenta	Feathered Fig (Fig Plant)
Cassia fistulosa	Wild Lilac
Ceratostigma plumbaginoides	False Cypress
Chamaecyparis pisifera	Cleyera
Chrysanthemum spp.	Citrus species*
Cotoneaster spp.	Coreopsis Callipospi Early Sunrise, Moonbeam
Coronilla florida	Flowering Dogwood
C. Stolonifera	American Dogwood
Crataegus spp.	Pam pas Grass
Cytisus semperfervens	Cranberry Cotoneaster
Dalbergia alba	Cotoneaster
Delospurma spp.	Bearberry Cotoneaster
D. horizontalis	Rockspray Cotoneaster
Dianthus deltoides	Hawthorne
Dodonaea viscosa	Larcher
Echinacea purpurea	Italian Cypress
Elaeagnus pungens	White Tailing Ice Plant
Euonymus fortunei	Cooperi Pink
E. japonica	Lakspur; Blue Elf
Fatsia japonica	Dianthus; Maiden Pinks "Zing"
Forsythia intermedia	Cedar Pink
F. suspensa	Hop Bush
Gaillardia spp.	Coniferous; Purple; Magnus
Gardneria jasminoides	Silverberry
Gaura spp.	Winterreeper
Gentiana dahurica	Evergreen Euonymus
Geranium cinereum	Japanese Aralia
Gladiolus spp.	Border Forsythia
Glycosmis pentaphylla	Weeping Forsythia
Hedera helix	Greenstem Forsythia
Heliotropium spp.	Giantodia Blanket Flower; "Goblin"
Hemerocallis spp.	Gardenia; Cape-Jasmine
Hibiscus spp.	Gaultheria
Hibiscus rosa-sinensis	Gaultheria Procumbens
H. Sabicea	Gaultheria shallon
Houttuynia cordata var. variegata	Gaultheria shallon
Ilex Berryi	Gaultheria shallon
Ilex cornuta	Gaultheria shallon
I. opaca	Gaultheria shallon
I. vomitoria	Gaultheria shallon
India enisifolia	Gaultheria shallon
Iris sibirica	Gaultheria shallon
Its spp.	Gaultheria shallon
Jasminum nudiflorum	Gaultheria shallon
J. conferta	Gaultheria shallon
J. davurica	Gaultheria shallon
J. horizontalis	Gaultheria shallon
Juglans spp.	Gaultheria shallon
Justicia brandegeana	Gaultheria shallon
Lagerstroemia indica X Faurei	Gaultheria shallon
Lantana montevidensis	Gaultheria shallon
Lavender spp.	Gaultheria shallon
Leonotis leonurus	Gaultheria shallon
Ligustrum amurense	Gaultheria shallon
Ligustrum vulgare	Gaultheria shallon
L. ovalifolium	Gaultheria shallon
L. japonicum	Gaultheria shallon
L. lucidum	Gaultheria shallon
Lilium spp.	Gaultheria shallon
Liriope muscari	Gaultheria shallon
L. muscari var. variegata	Gaultheria shallon
Liriope spicata	Gaultheria shallon
Lobelia cardinalis	Gaultheria shallon
L. tatarica	Gaultheria shallon
Loropetalum chinense	Gaultheria shallon
Lytium spp.	Gaultheria shallon
Magnolia spp.	Gaultheria shallon
Malope lutea	Gaultheria shallon
Malus spp.	Gaultheria shallon
Nandina domestica	Gaultheria shallon
Narcissus spp.	Gaultheria shallon
Neurum oleander	Gaultheria shallon
Olea europaea	Gaultheria shallon
Onopordum apicum	Gaultheria shallon
Ornithodoros heterophyllus	Gaultheria shallon
Osteospermum fruticosum	Gaultheria shallon
Oxydendrum arboreum	Gaultheria shallon
Paonia suffruticosa	Gaultheria shallon
Panisellum setaceum	Fountain Grass (Dwarf)
Perovskia atriplicifolia	Fraser's Phlox (Red/purple)
Persea americana	Dragonhead; Faise; Vinifera
Phoenicia Fraseri	Spiraea species*; Colorado Blue, Norway, etc.)
Physocarpus virginiana	Lily-of-the-Valley, Bush
Picea spp.	Caribbean Pine
Pinus brutia	Canary Island Pine
P. canariensis	Slash Pine
P. Elliottii	Aleppo Pine
P. halepensis	Austrian Pine
P. nigra	Longleaf Pine
P. radiata	Monterey Pine
P. strobus	Eastern White Pine
P. syvestris	Scots Pine
P. taeda	Loblolly Pine
P. Thunbergiana	Japanese Black Pine
P. Virginiana	Virginia Pine
Pistacia spp.	Pistachio*
Pithecellobium thomaeum	Queensland Pittosporum
Pithecellobium thomaeum	Japanese Photinia
Pithecellobium thomaeum	English Laurel
Pithecellobium thomaeum	Almond, Apricot, Nectarine, Peach, Plum and Prune*
Pithecellobium thomaeum	Douglas Fir**
Pithecellobium thomaeum	Firethorn (Scarlet)
Pithecellobium thomaeum	Firethorn
Pithecellobium thomaeum	Bradford Pear spp.
Pithecellobium thomaeum	Oak, Shumard's Red
Pithecellobium thomaeum	Oak species
Pithecellobium thomaeum	Indian Hawthorne
Pithecellobium thomaeum	Yedda Hawthorne
Pithecellobium thomaeum	'Coral Bells', 'Formosa', 'Hino-crimson', 'PJM'
Pithecellobium thomaeum	'Delaware Valley White', 'Roseum Eliegans', 'Flame Cheaper', 'Girard Cranson', 'Wakaebisu'
Pithecellobium thomaeum	'White Gumbo', 'George L. Labor'
Pithecellobium thomaeum	Lady Banks' Rose
Rubus spp.	Rosemary
Rosmarinus officinalis	Black-Eyed Susan; Goldsturm
Rubus spp.	Santolina
Rubus spp.	Saxifrage; Purple Dome
Rubus spp.	Pincusion Flower
Rubus spp.	Stonecrop
Rubus spp.	Stonecrop; Lidkense
Rubus spp.	Tulip species
Rubus spp.	Veronica; Speedwell; Sunny Border
Rubus spp.	Meadow Rue
Rubus spp.	American Arborvitae
Rubus spp.	Star Jasmine
Rubus spp.	Canada Hemlock
Rubus spp.	Laurus nobilis
Rubus spp.	Crabberry Bush
Rubus spp.	Leatherleaf Viburnum
Rubus spp.	Greater Periwinkle, Vinca
Rubus spp.	Common Periwinkle, Vinca
Rubus spp.	Grape*
Rubus spp.	Old Fashioned Weigela
Rubus spp.	Spanish Bayonet, Yucca
Rubus spp.	Adam's Needle, Yucca
Rubus spp.	**Do not use on food producing trees, vines or plants.
Rubus spp.	**Not for use on container grown plants.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container in a dry place.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spilled bait, or rinsate 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 Disposal 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 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 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.

