

JRF FERTILIZER + 0.42% Prodiamine

For selective pre-emergence control of grass and broadleaf weeds in:

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

ACTIVE INGREDIENT:

Prodiamine, [N³,N³-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-...0.42% phenylenediamine. INERT INGREDIENTS:.... .99.58%

18-0-3

GUARANTEED FERTILIZER ANALYSIS

CHLORINE (CI) Max.	2.3%
DERIVED FROM: Urea, Muriate of Potash.	
SOLUBLE POTASH (K ₂ O)	3.00%
TOTAL NITROGEN (N)	18.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

See the following section, Precautionary Statements, Hazards to Human and Domestic Animals, for

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID

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IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do no induce vomiting unless told to do by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

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

Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice

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. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. 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 the treated area of the lawn or garden will help to prevent run off driveway, sidewalk, or sueer, same to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is a selective pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in:

• Established turf grasses (excluding golf course putting greens) and lawns

- · Landscape ornamentals
- Established perennials and wildflower plantings

• Established perennials and wildflower plantings
This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when it is activated by at least ½ inch of rainfall, irrigation, or shallow (1-2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown for; (1) Sale or other commercial use, (2) for commercial seed production, or (3) 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.

Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Do not apply this product 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 in accordance with this label this product will provide control of the following weeds:

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Barnyardgrass	Kochia
Bluegrass, Annual (Poa annua)	Lambsquarter, common
Carpetweed	Lovegrass
Chickweed, common	Panicum (Texas, Fall, Browntop)
Chickweed, mouse ear (from seed)	Pigweed
Crabgrass (large,smooth)	Purslane, common
Crowfootgrass	Pusley, Florida
Cupgrass, Woolly	Rescuegrass ³
Foxtails, Annual	Shepherd's Purse ²
Goosegrass ¹	Signalgrass, Broadleaf
Henbit	Speedwell, Persian
Itchgrass	Sprangletop
Johnsongrass (from seed)	Spurge, Prostrate
Junglerice	Witchgrass
Knotweed	Woodsorrel, Yellow (from seed)

I woodsorrel, Yellow (from seed)

In many areas a single application of 0.65 lb. to 1.5 lb. active ingredient per acre (equal to 3.6 to 8.2 lbs./1000 sq.ft. of this product) will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 0.65 lb. to 1.0 lb. a.i. per acre (equal to 3.6 to 5.5 lbs./1000 sq. ft. of this product) followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rate Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rate Table above.

Applications for this weed should be made in late summer, fall, or winter prior to germination.

Applications not his weed should be made in rate summer, rain, or writer prior to germination of 35 suppression only. 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. All applications must be made prior to germination of the weed seeds.

APPLICATION DIRECTIONS

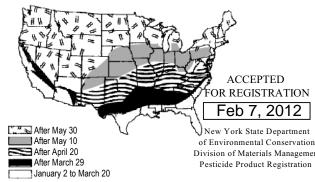
Applications are sufficiently with the collection of the second product applications are sufficiently applications.

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 Rates** 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. See the map below for approximate crabgrass seed germination dates.

CRABGRASS SEE GERMINATION DATES



Doc Id: 530153

USE PRECAUTIONS: The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. (6) Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are

RATES OF APPLICATION

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of of residual weed control provided by this product is related to the rate applied

MAXIMUM ANNUAL RATES

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate/Calendar Year of turf fertilizer by turf grass species ¹						
Turf Species:	Lbs. Product/A	Lbs. Product/1000 sq.ft.	Lbs. a.i./A			
Creeping Bentgrass	155	3.6	0.65			
Creeping Red Fescue	179	4.1	0.75			
Buffalograss Kentucky Bluegrass Perennial Ryegrass	238	5.5	1.0			
Bermudagrass ² Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type) Zoysia	357	8.2	1.5			

These are the maximum rates per calendar year by species limitations.

Alay be used on newly sprigged or plugged Bermudagrass at rates not to exceed 0.5 lb. a.i./acre (equal to 2.7 lbs./1000 sq.ft. of this product). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass, and Rescuegrass due to reduced product rates used in sprigging situations.

Do not apply more than 1.5 lbs. a.i. per calendar year per acre (equal to 8.2 lbs./1000 sq.ft. of this product).

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 result

LBs Product/Acre	LBs Product/1000 sq.ft.	LBs a.i./A	Months Before Overseeding			
	LDS Flouuct/Acre	LBS Product/1000 Sq.it.	LDS d.I./A	North	Transition	South
	119	2.7	0.50	4	4	4
	155	3.6	0.65	5	4	4
	179	4.1	0.75	6	5	5
	190	4.4	0.80	-	6	6
	238	5.5	1.00	-	7	7
	271	6.2	1.14	-	-	9
	310	7.1	1.30	-	-	10
	357	8.2	1.50	-	-	12

SPREADER SETTINGS

Spreader settings vary by make and model of spreader. It is recommended that individual spreaders are calibrated for the specific product that is to be applied. A walking speed of 3 miles per hour is recommended.

		SPREADER SETTINGS				
Spreader Model	Application Ra	tes ¹ a.i. lbs./A	Acre (Product	(Product lbs./1000 sq ft)		
	0.5 (2.7)	0.75 (4.1)	1.0 (5.5)	1.5 (8.2)		
LESCO 021820	D 1/2	E 1/2	G ½	l ½		
Lely HR	5.25	6	7	8.5		
Vicon 203	15	17	21	27		

'Application Rates for example only - do not exceed the maximum annual application rate of 1.5 lb a. i./Acre (8.2 lb product/1000 sq. ft.)

STORAGE AND DISPOSAL

STORAGE: Store this product in its original container in a dry, cool, secured area. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PRODUCT DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions.

CONTAINER DISPOSAL: Non-refillable 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 incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

#901536

Net Weight: 50 lbs. (22.67 kg)





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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

Use rates and When to Apply
Apply in fall and/or spring, 0.65 to 1.5 lbs. active ingredient per acre, which is equal to 3.6 to 8.2 lbs. of this product per 1,000 sq.ft. of ornamental plantings; therefore 20 lbs of this product will treat 2,439 to 5,556 sq.ft. Use the higher rates of application for longer control periods. Sequential applications may be made as long as the total amount of product applied does not exceed the maximum annual application rate of 1.5 lbs. a.i. 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.

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 it is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species. When plants 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 (Tested varieties)	Scientific name	Common name (Tested varieties)	Scientific name	Common name (Tested varieties)	Scientific name	Common name (Tested Varieties)
Abies spp.	Fir	Cotoneaster microphyllus	Rockspray cotoneaster	Juglans spp.*	Walnut*	Pistacia spp.*	Pistachio*
Abelia grandiflora	Abelia; Sherwood	Crataegus spp.	Hawthorne	Justicia brandegeana	Shrimp plant	Pittosporum rhombifolium	Queensland pittosporum
Acer palmatum	Japanese maple	Crocosmia spp.	Lucifer	Lagerstroemia indica	Crape myrtle	Pittosporum tobira	Japanese pittosporum
Acer platanoides	Norway maple	Cupressus sempervirens	Italian cypress	Lantana montevidensis	Weeping lantana	Podocarpus macrophyllus	Japanese yew
Achillea sp.	Yarrow (King Edward)	Delosperma alba	White trailing ice plant	Lavender spp.	Lavender (Munstead)	Prunus laurocerasus	English laurel
Actinidia chinensis*	Kiwi*	Delphinium spp.	Larkspur (Blue elf)	Leontopodium alpinum	Edelweiss	Prunus spp.*	Almond, Apricot, Nectarine, Peach, Plum, and Prune*
Agapanthus africanus	Lily-of-the-Nile; African Lily	Dianthus deltoides	Maiden pinks (Zing)	Ligustrum amurense	Amur privet	Pseudotsuga menziesii**	Douglas-fir**
Akebia quintata	Five-leaf or Chocolate vine	Dianthus gratianopolitanus	Cheddar pinks	Ligustrum japonicum	Japanese privet	Pyracantha coccinea	Firethorn, scarlet
Allium cernuum	Lady's leek or Nodding onion	Dodonea viscosa	Hop bush	Ligustrum lucidum	Glossy privet (Wax-Leaf)	Pyracantha fortuneana	Firethorn
Anemone hybrida	Japanese anemone	Echinacea purpurea	Coneflower, purple (Magnus)	Ligustrum sinense	Chinese privet (Variegata)	Pyracantha koidzumii	Firethorn
Aquilegia spp.	Columbine (Red and gold)	Elaeagnus pungens	Silverberry	Lilium spp.	Lily (Jazz)	Pyrus spp.	Bradford pear
Arctostaphylos densiflora	Vine Hill manzanita	Euonymus fortunei	Wintercreeper	Liriope muscari	Liriope (Big blue, Lilyturf, Silver mound, Evergreen giant)	Quercus rubra	Red oak
Arctotheca calendula	Cape weed	Euonymus japonica	Japanese spindle tree; Evergreen euonymus	Liriope muscari var. variegata	Liriope, variegated	Quercus shumardii	Shumard oak
Artemesia spp.	Wormwood (Silver mound; Castle)	Euonymus kiautschovica	Spreading euonymus	Liriope spicata	Liriope, creeping	Raphiolepis indica	Indian Hawthorne
Aster sp. or Symphiotrichium sp.	Aster (Bonny blue, Purple dome)	Fatsia japonica	Japanese aralia	Lobelia cardinalis	Cardinal flower	Rhododendron (including Azalea)	Rhododendron & Azalea (Coral Bells, Delaware valle white, Flame creeper, George L. Tabor, PJM, Roseum Elegans, Formosa, Hino-crimson, Wakaebisu, Gumpo)
Aster X frikartii		Forsythia intermedia	Border forsythia	Lonicera japonica	Japanese honeysuckle	Rosa banksiae	Lady Bank's Rose
	Lody form	· ·					
Athyrium felix-femina	Lady fern	Forsythia suspense	Weeping forsythia	Lonicera tatarica	Tatarian honeysuckle	Rosmarinus officinalis*	Rosemary*
Aucuba japonica	Japanese Aucuba	Forsythia viridissima	Greenstem forsythia	Loropetalum chinense	Burgundy	Rudbeckia spp.	Black-eyed Susan
Begonia spp.	Fibrous bigonia (Hardy Grandis)	Gaillardia spp.	Blanket flower (Goblin)	Lythrum spp.	Loosestrife (Modern Pink)	Rumohra adiantiformis	Leatherleaf Fern
Berberis gladwynesis	Barberry	Gardenia jasminoides	Gardenia, Cape-jasmine	Magnolia spp.**	Magnolia**	Santolina virens	Goldstrum Santolina
Berberis julianae	Wintergreen barberry	Gentiana dahurica	Gentian	Maleophora luteola	Ice plant	Saxifraga spp.	Saxifrage, Purple dome
Berberis mentorensis	Mentor barberry	Geranium cinereum	Cranesbill	Malus spp.*	Crabapple*	Sedum album	Stonecrop
Berberis thunbergii	Japanese barberry	Gladiolus spp.**	Gladiolus	Miscanthus sinensis	Yaku jima, Silberfeder	Sedum caulicola	Stonecrop, likadense
				Nandina domestica			
Berberis verriculosa Bergenia cordifolia	Warty barberry	Gypsophila repens Hedera helix	Baby's breath	Narcissus spp.**	Heavenly bamboo Narcissus**	Sedum dasyphyllum	Stonecrop
0	Casubasi		English Ivy			Syzygium paniculatum	Japanese boxcherry
Boltonia asteroides Bougainvillea spp.	Snowbank Bouganvillea	Helianthemum spp. Hemerocallis spp.	Sunrose Daylily (Aztec gold, Stella	Nerium oleander Olea europaea*	Oleander Olive*	Taxus cuspidata Taxus media	Japanese yew Yew
Buddleia davidii	Butterfly-bush (Dwarf Blue, Royal Red)	Hibiscus spp. **	d'Oro, Tender love) Rose of Sharon**	Ophiopogon japonicus**	Mondo Grass**	Teucrium spp.	Germander
Buxus microphylla	Japanese boxwood	Hibiscus spp.	Mallow (Disco belle white)	Osmanthus heterophyllus	Osmanthus; False holly (Gulf tide)	Thalictrum dipterocarpum	Meadow rue
Callistemon viminalis	Weeping bottlebrush	Hibiscus Rosa-sinensis**	Chinese hibiscus**	Osteospermum fruticosum	Trailing African Daisy	Thuja occidentalis	American arborvitae
Calluna vulgaris	Scotch heather	Hosta plantaginea	Hosta, Plantain lily	Oxydendron luteum	Sourwood	Trachelospermum asiatum	Star Jasmine
Campanula carpatica	Tussock bellflower (White Clips)	H. sieboldiana	Hosta (Searsucker)	Persea americana	Avocado*	Tsuga canadensis	Canada hemlock
Campsis X tagliabuana	Trumpet creeper; Trumpet flower (Madame Gaten)	Houttuynia cordata var. variegata		Photinia fraseri	Frasier's photinia; Redtip	Tulipa spp.	Tulip
Carpobrotus edulis	Hottentot fig; Ice plant	Hydrangea macrophylla	Bigleaf hydrangea	Physostegia virginiana	False dragonhead (Vivid)	Viburnum japonicum	Japanese viburnum
Cassia artemisoides	Feathery Cassia	llex cornuta**	Chinese holly**	Picea spp.**	Spruce species** (Colorado blue, Norway, etc.)	Viburnum odoratissimum	Sweet viburnum
Ceanothus rigidus	Wild Lilac	llex crenata	Japanese holly	Pieris japonica	Lily-of-the-valley shrub	Viburnum plicatum	Japanese snowball
Ceratostigma plumbaginoides		llex opaca	American holly	Pinus brutia	Calabrian pine	Viburnum rigidum	Canary Island Viburnum
Chamaecyparis pisifera	False Cypress	llex pernyi	Holly	Pinus canariensis	Canary island pine	Viburnum tinus	Laurustinus
Chrysanthemum nipponicum	, ,	llex vomitoria	Yaupon holly	Pinus elliottii	Slash pine	Viburnum trilobium	Cranberry Bush
Cleyera japonica	Cleyera	Inula ensifolia		Pinus halepensis	Aleppo pine	Viburnum wrightii	Leatherleaf Viburnum
Citrus spp. *	Citrus species*	Iris ensata	Sword-leaved iris (Jodlesong)	Pinus nigra	Austrian black pine	Vinca major	Greater periwinkle, Vinca
Coreopsis spp.	Coreopsis; Calliopsis (Early sunrise, Moonbeam)	Iris siberica	Siberian iris (Cabernet)	Pinus palustris	Longleaf pine	Vinca minor	Common periwinkle
Cornus florida	Flowering dogwood	Iris spp.	Iris **	Pinus radiate	Monterey pine	Vitis spp.*	Grape*
Cornus stolonifera	American dogwood	Jasminium nudiflorum	Winter jasmine	Pinus strobus	Eastern white pine	Weigela florida	Old fashioned Weigela
	•		·			•	
Cortaderia selloana	Pampas grass	Juniperus chinensis	Chinese juniper (Nick's compact)	Pinus sylvestris	Scotch pine	Yucca aloifolia	Spanish bayonet
Cotoneaster apiculatus Cotoneaster buxifolius	Cranberry cotoneaster Cotoneaster	Juniperus conferta Juniperus davurica	Shore juniper (Blue Pacific) Juniper	Pinus taeda Pinus thunbergiana	Loblolly pine Japanese black pine	* Do not use on food product	Yucca, Adam's needle
OUTUITEDSTEI DUXIIUIIUS				·			
Cotoneaster dammeri	Bearberry cotoneaster	Juniperus horizontalis	Creeping juniper	Pinus virginiana	Virginia pine	** Not for use on container gr	

CONDITONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions 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 the manner of use or application all of which are beyond the control of Turf Care Supply Corp. or the Seller. All such risks shall be assumed by the Buyer. To the extent consistent with applicable law, Turf Care Supply Corp. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. To the extent consistent with applicable law, **Turf Care Supply Corp.** makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. To the extent consistent with applicable law, in no case shall Turf Care Supply Corp. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this Product. Turf Care Supply Corp. and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Turf Care Supply Corp. writing signed by a duly authorized representative of Turf Care Supply Corp.

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