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MAGIC CARPET FERTILIZER WITH BARRICADE @ .38

ACTIVE INGREDIENT: *Prodiamine, [N ³ , N ³ -Di- <u>n</u> -propyl-2,4-dinitro-6-(trifluoramethyl)-g	p-phenylenediamine]0.38%
OTHER INGREDIENTS:	<u>99.62</u> % 100.00%
*Barricade® is a registered trademark of Novartis	
Guaranteed Fertilizer Analysis [will vary depending on grade use	व्य
Total Nitrogen (N)	
Total Nitrogen (N)	

For selective preemergence control of grass and broadleaf weeds in established turf grasses (excluding golf course putting greens) and lawns and landscape ornamentals including established perennials & wildflower plantings)

KEEP OUT OF REACH OF CHILDREN.

CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye injury (irritation). Harmful if irraled or acsorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash troroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

STATEMENTS OF PRACTICAL TREATMENT

IF IN EYES: Flush thoroughly with water for several moutes. Get medical attention if irritation persists. IF ON SKIN: Wash with soap and water. Rinse thoroughly. Get medical attention if irritation persists. IF INHALED: Remove victim to fresh air.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limes 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 area's 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.

EPA Reg. No. 9779-

Manufactured For: TERRA INTERNATIONAL, INC. P.O. BOX 6000 SIOUX CITY, IA 51102-6000

ACCEPTED with COMMENTS In EPA Letter Dated

JLN 17 1998

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 9779-357

EPA Est. No.

NET WEIGHT!

9/2/13/3

If material is spilled: Contain and sweep up material of spill for disposal or use per label instructions. Wash cleanup equipment to prevent contamination elsewhere. Excess quantities above normal application rates could result in damage to plants subject to spill. Water-in remainder, disc under, cover with layer of soil, or leave exposed to sunlight, as deemed appropriate to the situation.

STORAGE AND DISPOSAL

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

Storage: Store in original container away from other fertilizer, feed, or food stuffs and separated from other pesticides.

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:

<u>Paper Containers:</u> Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or at an incineration facility, or; if allowed by state and local authorities, by burning locally. If burned, stay out of smoke.

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 preemergence 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 & wildflower plantings

This product controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1-2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown (1) for 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 this product through any type of irrigation system.

Do not apply aerially.

Do not apply to golf course putting greens.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

APPLICATION DIRECTIONS

Apply uniformly through suitable, calibrated application equipment.

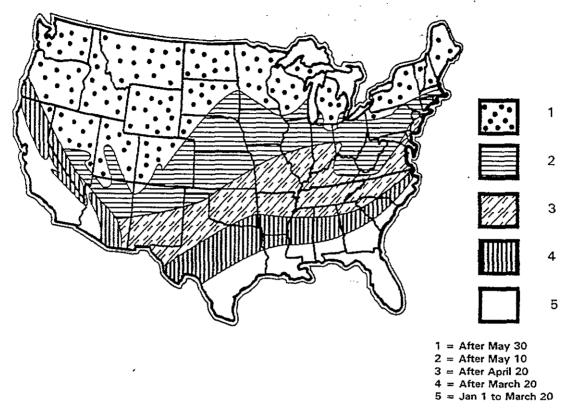
ESTABLISHED TURF

This product is a selective preemergence herbicide that, when proceedy 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.

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CRABGRASS SEED GERMINATION DATES



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 desirable species.

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 time 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:

	Application Rate/Calender with BARRICADE by	
Turf Species:	Lbs. Product/A	Lbs. ai/A
Bermudagrass ⁽²⁾ Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type) Zoysia	400	1.5
Buffalograss Kentucky Bluegrass Perennial Ryegrass	267	1.0
Creeping Red Fescue	200	0.75
Creeping Bentgrass	175	0.65

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

May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 139 lbs./A or 3.1 lbs./1000 sq. ft.. 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 400 lbs. of product per calendar year.
- 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 Annual Rates Table.

Chickweed, Common

WEEDS CONTROLLED

Henbit

Knotweed

When used in accordance with this label this product will provide control of the following weeds:

Barnyardgrass
Bluegrass, Annual (Poa annua)
Crabgrass (large, smooth)
Crowfootgrass
Cupgrass, Woolly
Foxtails, Annual
Goosegrass
Itchgrass
Johnsongrass (from seed)
Junglerice
Lovegrass
Panicum (Texas, Fall, Browntop)
Rescuegrass
Signalgrass, Broadleaf

Kochia
Lambsquarter, Common
Pigweed
Purslane, Common
Pusley, Florida
Shepherd's Purse²
Speedwell, Persian
Spurge, Prostrate
Witchgrass
Woodsorrel, Yellow (from seed)

Chickweed, Mouseear (from seed)

¹ In many areas a single application of 175 to 400 lbs./A 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 175 to 267 lbs./A 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.

Sprangletop.

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.

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

³ Suppression only.

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 table below for best overseeding/reseeding results.

Magic Carpet Fertilizer with BARRICADE Rate (lb./A)		Months Before Overseeding		
Product	ai	North	Transition .	South
132	.50	4	4	4
175	.66	5	.4	4
195	.74	6	5	5
213	.80		6	6
267	1.00		7	7
305	1.14			9
345	1.30		* .	10
400	. 1.50		-	12

LANDSCAPE ORNAMENTALS (including Established Perennials and Wildflower Plantings)

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

USE RATES

Apply this product at 175 to 400 lbs./A in fall and/or spring. Use higher rates of application for longer control periods. Sequential or single applications are allowed so long as the total amount of product applied does not exceed the maximum annual application rate of 400 lbs./A.

APPLICATION TIMING AND INFORMATION

This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1 to 2 inches) mechanical incorporation, prior to weed seed germination and within 14 days following application.

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

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 this product in 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 this product 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 for harm most trees, shrubs, vines, and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which hay defeat the effort to get uniform distribution on the soil surface. This product may be applied over the tot of these species.

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

Scientific name Apies spp.

Abelia grandiflora Acer palmatum A. platanoides Achillea spp... Actinidia chiinense Agapanthus Efricerus Agapanthus orientais Akebia quinख्यक Allium cemuum Anemone hybride Aquilegia scc. Arctostaphyros densifiora Arctotheca salensus Artemesia soc. Aster spp. Aster X Frikardi Athrium Filitz-feince

Aucuba japonica Begonia soc. Berberis glactwyrensis 3. julianae B. mentorers:s

3. thunbergii 3. verruculciss Bergenia combitolia

Boltonia astterojoet Bougainvilles say. Buddlela dawidi,

Buxus microuvia Callistemor vimnais Calluna vuiçiaris

Campanula camerica Cempis X Tegiiabæna

Carpobrotus eduis Cassia artemisones Ceanothus rigiaus

Ceratostigima piumpagonoces Chamaecyparis psifera

Chrysanthemur ரம்மைவ்ப

C'eyera japonica Citrus spp. Coreopsis sab.

Cornus florica C. stolonifers

Cortaderia selicara

Cotoneaster apicum C. buxitolius

C. dammeri: C. microphyllus

Common name

Fir species * *

(Balsam, Fraser, Noble, etc.)

Abelia: Sherwood Japanese Maple Norway Maple

Yarrow: King Edward

Kiwi*

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 Wormwood; Silver Mound, Castle

Aster: Bonny Blue, Purple Dome Lady Fern; Fern Lady

Japanese Aucuba Fibrous Begonia: Hardy Grandis Barberry Wintergreen Barberry Mentor Barberry Japanese Barberry Warty Barberry

Snowbank Bougainvillea Butterfly-Bush (Dwarf Blue): Royal Red Japanese Boxwood Weeping Bottlebrush Scotch Heather Tussock Bellflower, (White Clips) Trumpet Creeper, Trumpet Flower, Madame Galen Hottentot Fig (Ice Plant) Feathery Cassia Wild Lilac

False Cypress

Cleyera

Citrus species*

Coreopsis (Calliopsis): Early Sunrise, Moonbeam

Flowering Dogwood American Dogwood Pampas Grass

Cranberry Cotoneaster

Cotoneaster

Bearberry Cotoneaster Rockspray Cotoneaster

*Do not use on mod producing trees, vines, or plants.

**Not for use on soutainer grown plants.

Scientific name Cretaegus spp. Crocosmia spp. Cupressus sempervirens Delosperma alba Delosperma spp. Delphinium spp. Dianthus deltoides D. gratianopolitanus Dodonea viscosa Echinacea pupurea Elaeagnus pungens Euonymus fortunei E. japonica E. kiautschovica Fatsia japonica Forsythia intermedia F. suspensa F. viridissima Gaillardia spp. Gardenia jasminoides Gaura spp. Gentiana dahurica Geranium cinereum Gladiolus spp. Gypsophila repens Hedera helix Hellanthemum spp. Hemerocallis spp. Hibiscus Hibiscus spp. Hibiscus rosa-sinensis Hosta plantaginea H. Sieboldiana Houttuynia cordata var. variegata Hydrangea macrophylla llex cornuta I. bernyi I. crenata I. opaça I. vomitoria Inula ensifolia Iris ensata Iris siberica iris spp. Jasminium nudiflorum Juniperus chinensis J. conferta J. horizontalis Juglans spp. Justicia brandegeana Lagerstromia indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender spp. Leontopodium alpinum Ligustrum sinense Ligustrum amurense L. japonicum L. lucidum Lilium spp. Liriope muscari

Common name Hawthorne Lucifer Italian Cypress White Trailing Ice Plant Cooperi Pink Larkspur: Blue Elf Dianthus; Maiden Pinks "Zing" Cheddar Pink Hop Bush Coneflower, Purple; Magnus -Silverberry Wintercreener Japanese Spindle Tree (Evergreen Euonymus) Spreading Euonymus Japanese Aralia Border Forsythia Weeping Forsythia Greenstem Forsythia Gaillardia, Blanket Flower: "Goblin" Gardenia, Cape-Jasmine, Radicans Gentian

Gentran
Cranesbill
Gladiolus species**
Baby's Breath
English Ivy
Sunrose
Daylily: Aztec Gold, Stella De Oro, Tender Love
Rose of Sharon**
Mallow: Disco Belle White
Chinese Hibiscus
Hosta, Plantain Lily (Fragrant)
Hosta, "Searsucker"

Bigleaf Hydrangea Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings

Sword-Leaved Iris; Jodlesong Siberian Iris; Cabernet Iris species* Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Creeping Juniper Walnut* Shrimp Plant Crape Myrtle, Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata Amur Privet Japanese Privet Glossy Privet (Waxleaf) Lilv: Jazz

Big Blue Lily; Turf; Silver Mound; Evergreen Giant

*Do not use on food producing trees, vines, or plants.

**Not for use on container grown plants.

Scientific name Liriope Muscari var. variegata Liriope spicata Lobelia Cardinalis Lonicera japonica L. tatarica Loropetalum chinense Lythrum spp. Magnolia spp. Maleophora luteola Malus spp. Miscanthus sinensis Nandina domestica Narcissus spp. Nerium oleander Olea europaea Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp. Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. sylvestris P. taeda P. virginiana Pistachio spp. Pittosporum rhombifolium P. tobira Podocarpus macrophyllus Prunus laurocerasus Prunus spp.

Pseudotsuga menziesii
Pyracantha coccinea
P. fortuneana
P. koidzumii
Pyrus spp.
Quercus Shumardii
Quercus spp.
Raphiolepis indica
Raphiolepsis umbellata

Liriope, Variegated Liriope, Creeping Cardinal Flower, Indian Pink Japanese Honeysuckle Tatarian Honeysuckle Burgundy Loosestrife; Modern Pink Magnolia species * 1 Ice Plant Crabapple* Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species* Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf)

Common name

Avocado* Frasier's Photinia (Redtip) 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 Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Lobiolly Pine Virginia Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum and Prupe* Douglas Fir** Firethorn (Scarlet) Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne

Yedda Hawthorn

^{*}Do not use on food producing trees, vines, or plants.

^{**}Not for use on container grown plants.

Scientific name Rhododendron...... (including Azalea)

Rosmarinus officinalis

Rudbeckia spp. Santolina virens Saxifraga spp. Scabiosa spp. Sedum album Sedum cauticola Sedum dasyphyllum Sedum spurium Spiraea Bumalda Syzygium paniculatum Taxus cuspidata T. media Teucrium spp. Thalictrum dipterocarpum Thuja occidentalis Trachelospermum asiatum Tsuga canadensis Tulipa spp. Veroniac spp. Viburnum japonicum V. odoratissimum V. plicatum V. rigidum V. suspensum V. tinus V. trilobium V. wrightii Vinca major Vinca minor Vitis spp. Weigela florida Yucca aloifolia Y. filamentosa

'Flame Creeper' 'Formosa' 'George L. Tabor' 'Girard Crimson' 'Hino-crimson' 'PJM' 'Roseum Elegans' 'Wakeiebisu' 'White Gumpo' Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop Stonecrop: Lidakense Stonecrop Stonecrop; Dragon's Blood Spirea: Anthony Waterer Australian Brushcherry Japanese Yew Yew Germander Meadow Rue American Arborvitae Star Jasmine Canada Hemlock Tulip species Veronica, Speedwell; Sunny Border Japanese Viburnum Sweet Viburnum Japanese Snowball Canary Island Vibumum Arrowood Viburnum Laurustinus Cranberry Bush Leatherleaf Viburnum Greater Periwinkle, Vinca Common Periwinkle, Vinca Grape* Old Fashioned Weigela

Spanish Bayonet, Yucca

Adam's Needle, Yucca

Common name

'Delaware Valley White'

'Coral Bells'

*Do not use on food producing trees, vines, or plants.

**Not for use on container grown plants.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.