

JUN 11 2003

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

10404-91

10404-91

6-11-2003

Revision Date: May 2, 2003

1/9

LESCO

Barricade 2.0% Plus Fertilizer

Read the entire label before using this product. Use only according to label instructions.

NOTICE: Before using this product, read the Directions for Use, Storage and Disposal Instructions, and Warranty Statements. If the Warranty statements are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

ACTIVE INGREDIENT:

Prodiamine: (N³, N³-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine 2.00%

INERT INGREDIENTS: 98.00%

Total 100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

See the following sections Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information.

FIRST AID

If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none">• Hold eye 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.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• 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 inhaled	<ul style="list-style-type: none">• 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. You may also contact Chem-Trec at 1-800-424-9300 for emergency medical treatment information.

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 frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

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.

2/9

STORAGE AND DISPOSAL

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

PRODUCT DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures. Or call [1-800-CLEANUP] for disposal instructions. Never place unused product down any indoor or outdoor drain.

EMPTY CONTAINER DISPOSAL: Do not reuse bag. Dispose of emptied bag(s) in a sanitary landfill approved for pesticide disposal, or by incineration.

SPILL: In case of spill, sweep up material and dispose of material according to "product disposal" directions listed above.

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; and 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 inch of rainfall or irrigation 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.

X-X-X

(OPTIONAL LANGUAGE: MINI, ELITE, NOVEX, PROFESSIONAL TURF FERTILIZER)
GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	XX.XX%
XX.XX% Ammoniacal Nitrogen	
XX.XX% Urea Nitrogen	
XX.XX% Water Insoluble Nitrogen	
XX.XX% yyyyyy	
AVAILABLE PHOSPHATE (P₂O₅)	XX.XX%
SOLUBLE POTASH (K₂O)	XX.XX%
MAGNESIUM (Mg) total	XX.XX%
XX.XX% Water Soluble Magnesium (Mg)	
SULFUR (S) total	XX.XX%
XX.XX% Free Sulfur (S)	
XX.XX% Combined Sulfur (S)	
COPPER (Cu) total	XX.XX%
XX.XX% Soluble Copper (Cu)	
IRON (Fe) total	XX.XX%
XX.XX% Soluble Iron (Fe)	
MANGANESE (Mn) total	XX.XX%
XX.XX% Water Soluble Manganese (Mn)	
ZINC (Zn) total	XX.XX%
XX.XX% Soluble Zinc (Zn)	
DERIVED FROM: XXXX, XXXX, XXXX, ...	
CHLORINE (Cl) MAX.	XX.XX%
*X.XX% Slowly available Nitrogen from LESCO [®] Poly Plus [®] Sulfur Coated Urea.	

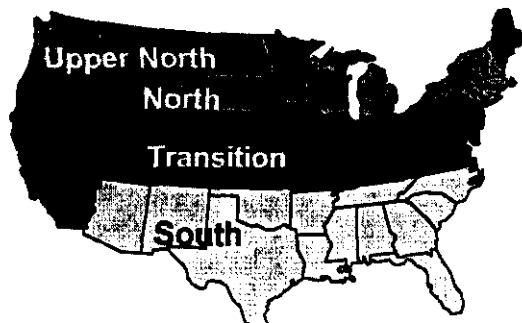
APPLICATION DIRECTIONS

Apply uniformly through suitable, calibrated commercial application equipment.

Established Turf

This product is a selective pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grass 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 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the information below for approximate crabgrass seed germination dates.



Region	Date
Upper North	After May 10
North	After April 20
Transition	After March 20
South	Jan 1 – March 20

Use Precautions

The following use precautions apply to the use of this product in turf grasses and lawns:

- Application of this product may thin emerged annual bluegrass and newly over-seeded grasses.
- Do not apply to overseeded turf for 60 days after seeding or until after the second mowing, which ever 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 cut 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 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 below. Do not exceed the maximum yearly rate:

Maximum Application Rate per Calendar Year ¹		
Turf Species	lb LESCO Barricade 2.0% Plus Fertilizer / acre	lb AI per Acre
Bermudagrass ² Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass ³ Tall Fescue (including turf-type) Zoysia	75 lb/acre (1.72 lb/1,000 sq ft)	1.5
Buffalograss Kentucky Bluegrass Perennial Ryegrass	50 lb/acre (1.14 lb/1,000 sq ft)	1.0
Creeping Red Fescue	37 lb/acre (0.85 lb/1,000 sq ft)	0.75
Creeping Bentgrass	33 lb/acre (0.76 lb/1,000 sq ft)	0.65

1. These are the maximum rates per calendar year by species limitations.
2. May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 26 lb/Acre. 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.
3. Use at an initial rate of 37 to 50 lb/acre per application followed by sequential applications at doses that would not exceed the maximum annual application rate of 75 lb/acre/year.

Do not apply more than 75 lb of this product per acre per calendar year.

Use the higher rates of this product to achieve higher levels of fertility and weed control for each turf type.

Weeds Controlled

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

Barnyardgrass	Foxtails, Annual	Lambsquarter, Common	Speedwell
Bluegrass, Annual (<i>Poa annua</i>)	Goosegrass ¹	Lovegrass	Sprangletop
Carpetweed	Henbit	Panicum (Texas, Fall, Brown Top)	Spurge, Prostrate
Chickweed, Common	Itchgrass	Pigweed	Witchgrass
Mouseear	Johnsongrass (from seed)	Purslane, Common	Woodsorrel, Yellow
Crabgrass (large, smooth)	Junglerice	Pusley, Florida	(from seed)
Crowfoot grass	Knotweed	Rescuegrass ²	Signalgrass, Broadleaf
Cupgrass, Woolly	Kochia	Shepherd's Purse ³	

1. In many areas a single application of 33 to 75 lb/acre of this product will control the above listed weeds and goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control can be obtained by making an initial application of 33 to 50 lb/acre 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.
2. 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 weed seeds.
3. Applications for this weed should be made in late summer, fall or winter prior to germination.

WHEN TO APPLY AFTER OVERSEEDING

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.

LESCO Barricade 2.0% Plus Fertilizer Rate (lb/Acre)		Interval Before Overseeding		
Product	AI	North	Transition	South
25 lb/acre	0.50 lb/acre	4 months	4 months	4 months
33 lb/acre	0.66 lb/acre	5 months	4 months	4 months
37 lb/acre	0.74 lb/acre	6 months	5 months	5 months
40 lb/acre	0.80 lb/acre	-	6 months	6 months
50 lb/acre	1.00 lb/acre	-	7 months	7 months
57 lb/acre	1.14 lb/acre	-	-	9 months
65 lb/acre	1.30 lb/acre	-	-	10 months

6/9

LANDSCAPE ORNAMENTALS

(Including Established Perennial and Wildflower Plantings)

This product may be applied for residual pre-emergence weed control in ornamentals.

Use Rates – Apply this product at 33 to 75 lb/acre in fall and/or spring. Use the 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 75 pounds, per acre, per year.

Application Timing and Information

This product may be applied to newly transplanted and 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. This product may be applied at any time to established plants. 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. This product is a pre-emergence 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 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 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 post-emergence herbicide.

Tolerant Ornamental Species

This product will not harm most established ornamental trees, shrubs, 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 may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species without injury.

Scientific Name	Common Name	Scientific Name	Common Name
<i>Abies</i> spp.	Fir Species; Balsam, etc.**	<i>Maleophora luteola</i>	Ice Plant
<i>Acer palmatum</i>	Japanese Maple	<i>Malus</i> sp.	Crabapple*
<i>A. platanoides</i>	Norway Maple	<i>Nandina domestica</i>	Heavenly Bamboo
<i>Actinidia chinensis</i>	Kiwi* (Ornamental Only)	<i>Olea europaea</i>	Olive* (Ornamental Only)
<i>Agapanthus africanus</i>	Lily-of-the-Nile	<i>Ophiopogon japonicus</i>	Mondo Grass
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita	<i>Osteospermum fruticosum</i>	Trailing African Daisy
<i>Arctotheca calendula</i>	Cape Weed	<i>Oxydendrum arboreum</i>	Sourwood
<i>Aucuba japonica</i>	Japanese Aucuba	<i>Persea americana</i>	Avocado*
<i>Barberis gladwynensis</i>	Barberry	<i>Photinia fraseri</i>	Frasier's Photinia (Redtip)
<i>B. julianae</i>	Wintergreen Barberry	<i>Picea</i> spp.	Colorado Blue, Norway, etc.
<i>B. mentorensis</i>	Mentor Barberry	<i>Pieris japonica</i>	Lily-of-the-Valley Shrub
<i>B. thunbergii</i>	Japanese Barberry	<i>Pinus brutia</i>	Calabrian Pine
<i>B. verruculosa</i>	Warty Barberry	<i>P. canariensis</i>	Canary Island Pine
<i>Buxus microphylla</i>	Japanese Boxwood	<i>P. elliotii</i>	Slash Pine
<i>Callistemon viminalis</i>	Weeping Bottlebrush	<i>P. halepensis</i>	Aleppo Pine
<i>Calluna vulgaris</i>	Scotch Heather	<i>P. nigra</i>	Austrian Black Pine
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)	<i>P. radiata</i>	Monterey Pine
<i>Cassia artemisoides</i>	Feathery Cassia	<i>P. palustris</i>	Longleaf Pine
<i>Ceanothus rigidus</i>	Wild Lilac	<i>P. strobus</i>	Eastern White Pine
<i>Chamaecyparis pisifera</i>	False Cypress	<i>P. sylvestris</i>	Scotch Pine
<i>Cleyera japonica</i>	Cleyera	<i>P. taeda</i>	Loblolly Pine
<i>Citrus</i> spp.*	Citrus Species*	<i>P. thunbergiana</i>	Japanese Black Pine
<i>Cornus florida</i>	Flowering Dogwood	<i>Pistachio</i> sp.	Pistachio*
<i>C. stolonifera</i>	American Dogwood	<i>Pittosporum rhombifolium</i>	Queensland Pittosporum
<i>Cortaderia selloana</i>	Pampas Grass	<i>P. tobira</i>	Japanese Pittosporum
<i>Cotoneaster spiculatus</i>	Cranberry Cotoneaster	<i>Podocarpus macrophylla</i>	Podocarpus sp.
<i>C. buxifolius</i>	Cotoneaster	<i>Prunus laurocerasus</i>	English Laurel
<i>C. dammeri</i>	Bearberry Cotoneaster	<i>Prunus</i> spp.	Almond, Apricot, Nectarine, Peach, Plum, and Prune*
<i>C. microphyllus</i>	Rockspray Cotoneaster	<i>Pseudotsuga menziesii</i>	Douglas Fir (Orna. Sites)
<i>Cretagus</i> spp.	Hawthorne*	<i>Pyracantha coccinea</i>	Firethorn (Scarlet)
<i>Cupressus sempervirens</i>	Italian Cypress	<i>P. fortuneana; koidzumii</i>	Firethorn spp.
<i>Delosperma alba</i>	White Trailing Ice Plant	<i>Pyrus</i> sp.	Bradford Pear sp.
<i>Dodonea viscosa</i>	Hop Bush	<i>Quercus</i> spp.	Oak spp.
<i>Elaeagnus pungens</i>	Silverberry	<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Euonymus fortunei</i>	Wintercreeper	<i>Rhododendron</i>	'Coral Bells'
<i>E. japonica</i>	Evergreen Euonymus	(including <i>azalea</i>)	'Formosa', Hino-crimson', IPJM', 'Roseum Elegans'
<i>E. kiautschovica</i>	Spreading Euonymus	<i>Rosa banksiae</i>	Lady Bank's Rosa
<i>Fatsia japonica</i>	Japanese Aralia	<i>Rosmarinus officinalis</i>	Rosemary
<i>Forsythia intermedia</i>	Border Forsythia	<i>Santolina virens</i>	Santolina
<i>F. viridissima</i>	Greenstem Forsythia	<i>Sedum album</i>	Stonecrop
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine	<i>Syzygium paniculatum</i>	Japanese Boxcherry
<i>Hedera helix</i>	English Ivy	<i>Taxus cuspidata</i>	Japanese Yew
<i>Hibiscus rosa-sinensis</i>	Chinese Hibiscus	<i>T. media</i>	Yew, Var.
<i>Ilex cornuta</i>	Chinese Holly	<i>Thuja occidentalis</i>	American Arborvitae
<i>I. crenata</i>	Japanese Holly	<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>I. opaca</i>	American Holly	<i>Tsuga canadensis</i>	Common Hemlock
<i>I. peryi</i>	Holly	<i>Viburnum japonicum</i>	Japanese Viburnum
<i>Jasminum nudiflorum</i>	Winter Jasmine	<i>V. odoratissimum</i>	Sweet Viburnum
<i>Juglans</i> sp.	Walnut*	<i>V. plicatum</i>	Japanese Snowball
<i>Juniperus chinensis</i>	Chinese Juniper	<i>V. rigidum</i>	Canary Island Viburnum
<i>J. conferta</i>	Shore Juniper	<i>V. tinus</i>	Laurestinus
<i>J. horizontalis</i>	Creeping Juniper	<i>V. trilobium</i>	Cranberry Bush
<i>Justica brandegeana</i>	Shrimp Plant	<i>V. wrightii</i>	Leatherleaf Viburnum
<i>Lagerstromia indica</i>	Crepe Myrtle	<i>Vinca minor</i>	Dwarf Periwinkle
<i>Ligustrum amurense</i>	Amur Privet	<i>Vitis</i> sp.	Grape*
<i>L. japonicum</i>	Japanese Privet	<i>Weigela florida</i>	Old Fashioned Weigela
<i>L. lucidum</i>	Glossy Privet	<i>Yucca aloifolia</i>	Spanish Bayonet
<i>Liriope muscari</i>	Big Blue Lily Turf	<i>Yucca filamentosa</i>	Yucca, Adam's Needle
<i>Lonicera japonica</i>	Japanese Honeysuckle		
<i>L. tatarica</i>	Tatarian Honeysuckle		

*Ornamental species only. Do not use on food producing trees or vines. **For use on landscape ornamental sites.

8/9

SUGGESTED SPREADER SETTINGS*

Spreader	Recommended Rates in lb per 1,000 sq ft			
	0.76 lb	0.85 lb	1.14 lb	1.72 lb
aaa	XX	XX	XX	XX
bbb	XX	XX	XX	XX
ccc	XX	XX	XX	XX
ddd	XX	XX	XX	XX
fff	XX	XX	XX	XX
ggg	XX	XX	XX	XX
hhh	XX	XX	XX	XX
iii	XX	XX	XX	XX

*IMPORTANT: These settings are only approximate. Age, condition of the spreader, and operator speed can cause wide variation. Be sure to calibrate your spreader with each application.

WARRANTY

LESCO, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. LESCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of LESCO and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL LESCO OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE, OR USE OF THIS PRODUCT.

Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept., 15885 Sprague Rd., Strongsville, OH 44136-1799, referring to the item number found on this bag.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-a1.com>.

LESCO and Poly Plus are registered trademarks of LESCO Technologies, LLC.

Barricade is a registered trademark of Syngenta Crop Protection, Inc.

G:\REGUL\Product Labels\Masters\MasterTemplates\BARRICADE2.0.doc Created: XX/XX/XX (XXXXXX)
Rev.: XX/XX/XX XXXX

Net Weight: XX lb (XX kg)

EPA REG. NO. 10404-91

#XXXXXXXX

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Manufactured by: **LESCO, Inc.**
15885 Sprague Road
Strongsville, Ohio 44136-1799

758073xxxxx

**EPA EST. NO. 10404-FL-1(S),
10404-OH-4 (M), 59197-CA-1 (C)**

First letter of lot code indicates manufacturing site.

9/9

OPTIONAL LANGUAGE

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

- Established turfgrasses (excluding golf course putting greens) and lawns.
- Landscape ornamentals (including perennial & wildflower plantings).
- Provides season-long weed control
- Long-lasting pre-emergence weed control
- Controls crabgrass and goosegrass