10404-88

6/11/2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460



JUN 1 1 2003

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Gloria Sieloff, Ph.D. Director, Regulatory Affairs LESCO, Inc. 15885 Sprague Road Strongsville, Ohio 44136-1799

Dear Dr. Sieloff:

Subject: LESCO® 0.20% Barricade® Plus Fertilizer EPA Registration No. 10404-88 LESCO® 0.43 Barricade® Plus Fertilizer EPA Registration No. 10404-89 LESCO® 0.68% Barricade® Plus Fertilizer EPA Registration No. 10404-90 LESCO® 2.0% Plus Fertilizer EPA Registration No 10404-91 Applications Dated May 2, 2003, Request to Amend Registrations of Subject Pesticide Products as Described on Applications and as Presented in High Lighted Copies of the Proposed Labels

The proposed revisions of the Confidential Statements of Formula (CSFs) have been reviewed and found acceptable, as presented on EPA Form 8570-4 and dated May 2, 2003, under the Federal Insecticide, Fungicide and Rodenticide Act, as amended. The respective CSF was filed in this Agency's record of pesticide product registration.

The subject respective proposed labels have been reviewed and found to be acceptable under the Federal Insecticide, Fungicide and Rodenticide Act, as amended; provided that you:

- Use the names of record as shown in the subject line of this letter in all future correspondence regarding these registrations
- 2. Submit one (1) copy each of the final printed labels prior to your shipment under the enclosed revised stamped labels.

If these conditions are not complied with, these registrations will be subject to cancellation in accordance

2/<sub>||</sub>

J

with FIFRA, section 6(e). Your release for shipment under any of these labels constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely yours, . Joanne I. Miller Product Manager (23) Herbicide Branch Registration Division (7505C)

Enclosures (4 Stamped Labels)

usu y **2, 20**08 Revision Date 175 **'7003** 

0/11

**ESCO** 

Under the Federal Insecticide, Fundicide, nur Rodenticide Act

# 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: (N <sup>3</sup> , N <sup>3</sup> -Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine	0.20%
INERT INGREDIENTS:	99.80%
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> <li>Call a poison control center or doctor 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 by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul> <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.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
lf on skin or clothing	<ul> <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>
If inhaled	<ul> <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></b>	HOT LINE NUMBER
Have the produc	ct 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, eves, 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.

# 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.

1		
Ĵ.	۰.	6.1
	1	ίγ.

1, 2, 1, 1,

X-X-)	
(OPTIONAL LANGUAGE: MINI, ELITE, NOVEX, PROFESSION GUARANTEED ANALYSIS	AL TURF FERTILIZER)
TOTAL NITROGEN (N)	XX.XX%
XX.XX% Ammoniacal Nitrogen	
XX.XX% Urea Nitrogen	
XX.XX% Water Insoluble Nitrogen XX.XX% vvvvvv	
XX.XX% уууууу AVAILABLE PHOSPHATE (P2O5)	XX XX%
SOLUBLE POTASH (K <sub>2</sub> O)	
MAGNESIUM (Mg) total	
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 (CI) MAX.	XX.XX%
*X.XX% Slowly available Nitrogen from LESCO <sup>D</sup> Poly Plus <sup>D</sup> Sulf	ur Coated Urea.

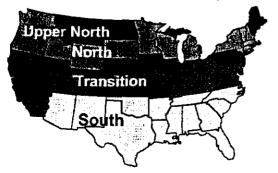
# APPLICATION DIRECTIONS

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	D
Upper North	Ā
North	A
Transition	A
South	Ja

Date After May 10 After April 20 After March 20 Jan 1 – March 20

> Page 3 of 9 EPA Reg. No. 10404-88

## **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				
Turf Species	Ib LESCO Barricade 2.0% Plus Fertilizer / acre	Ib Al per Acre		
Bermudagrass <sup>2</sup> Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass <sup>3</sup> Tall Fescue (including turf-type) Zoysia	750 lb/acre (17.22 lb/1,000 sq ft)	1.5		
Buffalograss Kentucky Bluegrass Perennial Ryegrass	500 lb/acre (11.48 lb/1,000 sq ft)	1.0		
Creeping Red Fescue	370 lb/acre (8.49 lb/1,000 sq ft)	0.75		
Creeping Bentgrass	330 lb/acre (7.57 lb/1,000 sq ft)	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 260 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 370 to 500 lb/acre per application followed by sequential applications at doses that would not exceed the maximum annual application rate of 750 lb/acre/year.

Do not apply more than 750 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:

- Bamyardgrass Bluegrass, Annual (*Poa annua*) Carpetweed Chickweed, Common Mouseear Crabgrass (large, smooth) Crowfoot grass Cupgrass, Woolly
- Foxtails, Annual Goosegrass<sup>1</sup> Henbit Itchgrass Johnsongrass (from seed) Junglerice Knotweed Kochia

Lambsquarter, Common Lovegrass Panicum (Texas, Fall, Brown Top) Pigweed Purslane, Common Pusley, Florida Rescuegrass<sup>2</sup> Shepherd's Purse<sup>3</sup> Speedwell Sprangletop Spurge, Prostrate Witchgrass Woodsorrel, Yellow (from seed) Signalgrass, Broadleaf

- In many areas a single application of 330 to 750 lb/acre of this product will control the above listed weeds and gooesgrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control can be obtained by making an initial application of 330 to 500 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.
- 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 0.20% Plus Fertilizer Rate (Ib/Acre)		Interval Before Overseeding		eeding
Product	AI	North	Transition	South
260 lb/acre	0.50 lb/acre	4 months	4 months	4 months
330 lb/acre	0.66 lb/acre	5 months	4 months	4 months
370 lb/acre	0.74 lb/acre	6 months	5 months	5 months
400 lb/acre	0.80 lb/acre	-	6 months	6 months
500 lb/acre	1.00 lb/acre	- {	7 months	7 months
570 lb/acre	1.14 lb/acre	-	-	9 months
650 lb/acre	1.30 lb/acre	-	- (	10 months

#### LANDSCAPE ORNAMENTALS

(Including Established Perennial and Wildflower Plantings)

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

<u>Use Rates</u> – Apply this product at 330 to 750 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 750 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 Abies spp. Acer palmatum A. platanoides Actinidia chinensis Agapanthus africanus Arctostaphylos densiflora Arctotheca calendula Aucuba japonica Barberis gladwynensis B. julianae B. mentorensis B. thunbergii B. verruculosa Buxus microphylla Callistemon viminalis Calluna vulgaris Carpobrotus edulis Cassia artemisoides Ceanothus rigidus Chamaecyparis pisifera Clevera japonica Citrus spp\* Cornus florida C. stolonifera Cortaderia selloana Cotoneaster spiculatus C. buxifolius C. dammeri C. microphyllus Cretaegus spp. Cupressus sempervirens Delasperma alba Dodonea viscosa Elaeagnus pungens Euonymus fortunei E. japonica E. kiautschovica Fatsia japonica Forsythia intermedia F. viridissima Gardenia jasminoides Hedera helix Hibiscus rosa-sinensis Ilex comuta I. crentata I. opaca I. pemyi Jasminium nudiflorum Juglans sp. Juniperus chinensis J. conferta J. horizontalis Justica brandegeana Lagerstromia indica Ligustrum amurense L. japonicum L. lucidum Liriope muscari Lonicera japonica L. tatarica

Common Name Fir Species; Balsam, etc.\*\* Japanese Maple Norway Maple Kiwi\* (Ornamental Only) Lily-of-the-Nile Vine Hill Manzanita Cape Weed Japanese Aucuba Barberry Wintergreen Barberry Mentor Barberry Japanese Barberry Warty Barberry Japanese Boxwood Weeping Bottlebrush Scotch Heather Hottentot Fig (Ice Plant) Feathery Cassia Wild Lilac False Cypress Cleyera Citrus Species\* Flowering Dogwood American Dogwood Pampas Grass Cranberry Cotoneaster Cotoneaster Bearberry Cotoneaster Rockspray Cotoneaster Hawthome\* Italian Cypress White Trailing Ice Plant Hop Bush Silverberry Wintercreeper Evergreen Euonymus Spreading Euonymus Japanese Aralia Border Forsythia Greenstem Forsythia Gardenia, Cape-Jasmine English Ivy Chinese Hibiscus Chinese Holly Japanese Holly American Holly Holly Winter Jasmine Walnut\* **Chinese Juniper** Shore Juniper **Creeping Juniper** Shrimp Plant Crepe Myrtle Amur Privet Japanese Privet Glossy Privet **Big Blue Lily Turf** Japanese Honeysuckle Tatarian Honevsuckle \*Omamental species only. Do not use on food producing trees or vines. \*\*For use on landscape ornamental sites.

Scientific Name Maleophora luteola Malus sp. Nandina domestica Olea europa Ophiopogon japonicus Osteospermum fruticosum Oxydendrum arboreum Persea americana Photinia fraseri Picea spp. Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. radiata P. palustrus P. strobus P. sylvestris P. taeda P. thunbergiana Pistachio sp. Pittosporum rhombifolium P. tobira Podocarpus macrophylia Prunus laurocerasus Prunus spp. Pseudotsuga menziesii Pyracantha coccinea P. fortuneana; koidzumii Pvrus sp. Quercus spp. Oak spp. Raphiolepis indica Rhododendron (including azalea) Rosa banksiae Rosmarinus officinalis Santolina virens Santolina Sedum album Syzygium paniculatum Taxus cuspidata T. media Yew. Var. Thuja occidentalis Trachelospermum asiatum Tsuga canadensis Viburnum japonicum V. odoratissimum V. plicatum V. rigidum V. tinus V. trilobium V. wrightii Vinca minor Vitis sp. Grape\* Weigela florida Yucca aloifolia Yucca filamentosa

Common Name Ice Plant Crabapple\* Heavenly Bamboo Olive\* (Ornamental Only) Mondo Grass Trailing African Daisy Sourwood Avocado\* Frasier's Photinia (Redtip) Colorado Blue, Norway, etc. Lily-of-the-Valley Shrub Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Black Pine Monterey Pine Longleaf Pine Eastern White Pine Scotch Pine Lobiolly Pine Japanese Black Pine Pistachio\* Queensland Pittosporum Japanese Pittosporum Podocarpus sp. English Laurel Almond, Apricot, Nectarine, Peach, Plum, and Prune\* Douglas Fir (Oma. Sites) Firethorn (Scarlet) Firethorn spp. Bradford Pear sp. Indian Hawthome 'Coral Bells' 'Formosa', Hino-crimson', IPJM', "Roseum Elegans' Lady Bank's Rosa Rosemary Stonecrop Japanese Boxcherry Japanese Yew American Arborvitae Star Jasmine Common Hemlock Japanese Viburnum Sweet Viburnum Japanese Snowball Canary Island Vibumum Laurustinus Cranberry Bush Leatherleaf Viburnum Dwarf Periwinkle Old Fashioned Weigela Spanish Bayonet Yucca, Adam's Needla

Recommended Rates in lb per 1,000 sq ft					
Spreader	7.57 lb	8.49 lb	11.48 lb	17.22 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	
<u>ggg</u>	XX	XX	XX	XX	
hhh	XX	XX	XX	XX	
iii	XX	XX	XX	XX	

# SUGGESTED SPREADER SETTINGS\*

\*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 <a href="http://www.regulatory-info-a1.com">http://www.regulatory-info-a1.com</a>. 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 (XXXXX) Rev.: XX/XX/XX XXXX

Net Weight: XX lb (XX kg)

EPA REG. NO. 10404-88



EPA EST. NO. 10404-FL-1(S), 10404-OH-4 (M), 59197-CA-1 (C) First letter of lot code indicates manufacturing site. FXXXX Manufactured by: LESCO, Inc. 15885 Sprague Road Strongsville, Ohio 44136-1799

758073xxxxx

 $\frac{1}{n}$ 

# 0210MALELANCE

District and the second of the second of the second broadleaf weeds in: 2.12 Addition of the second of the second