



**COMPANY
NUMBER** _____

10404

**PRODUCT
SERIAL NO.** _____

90

**LABEL
APPROVAL
DATE** _____

5-22-96

PM 23 10404-90 10/3

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 10404-90	DATE OF ISSUANCE MAY 22 1996
	TERM OF ISSUANCE Unconditional	
	NAME OF PESTICIDE PRODUCT Lesco Fertilizer with 0.68% Barricade [®] Preemergence Herbicide	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Lesco, Inc
 2000~~0~~5 Lake Road
 Rocky River, OH 44116

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Add the phrase "EPA Registration No. 10404-90" to the label before you release the product for shipment.
2. Delete the phrase, "08 hari.pm5|04-23-95" from the Warranty statements.
3. Submit one (1) copy of the final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Enclosure

Joanne I. Miller
 Product Manager (23)
 Fungicide-Herbicide Branch
 Registration Division (7505C)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *Joanne I. Miller* DATE: MAY 22 1996

LESCO FERTILIZER with 0.68% Barricade® Preemergence Herbicide

ACTIVE INGREDIENT:
Prodiamine (N, N'-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine) 0.68%

INERT INGREDIENTS: 99.32%

TOTAL 100.00%

Guaranteed Fertilizer Analysis:
Nitrogen (N) 10% Phosphorus (P₂O₅) 2% Potassium (K₂O) 4%
Derived from: Urea, Ammonium Phosphate, Muriate of Potash

SAKRICIDE® is a Registered Trademark of Sandoz, Ltd.

For selective preemergence control of grass and broadleaf weeds in:
• established turf grasses (excluding golf course putting greens) and lawns.
• Landscape ornamentals (including perennial & wildflower plantings)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See the following section, Precautionary Statements, Hazards To Humans and Domestic Animals, for additional 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.

If in eyes: Flush thoroughly with water for several minutes. 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 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

Do not contaminate water, food, or feed by storage or disposal.
PAPE: 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: Paper and Plastic containers: 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; and established perennials & wildflower plantings. This product controls susceptible weeds by inhibiting weed seeds 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.

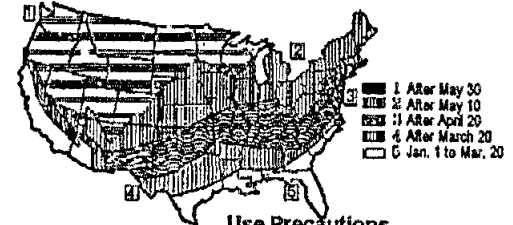
Application Directions

Apply uniformly through suitable, calibrated commercial 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 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 map below for approximate crabgrass seed germination dates.



Crabgrass Seed Germination Dates Approximate Date

- 1 After May 30
- 2 After May 10
- 3 After April 20
- 4 After March 20
- 5 Jan. 1 to Mar. 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 emergent annual bluegrass and newly over-seeded grasses.
Do not apply to overseeded turf for 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 treat 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 diking 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 in the following table. Do not exceed the maximum yearly rate as given in the following table.

MAXIMUM APPLICATION RATE/CALENDAR YEAR OF LESCO Fertilizer Preemergence Herbicide by Turf Grass Species

Weeds Controlled

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

Barnyardgrass	Johnsongrass (from seed)	Carpetweed	Purslane, Common
Bluegrass, Annual (Poa annual)	Juncelike	Chickweed, Common	Pursley, Florida
Crabgrass (large, smooth)	Lovegrass	Mooseear	Shepherd's-purse
Crowfoot grass	Panicum (Terns, Fall, Brown Top)	Herb	Speedwell, Persian
Cupgrass, Woolly	Rescuegrass	Knottedweed	Spurge, Prostrate
Foxtail, Annual	Signalgrass, Broadleaf	Kochia	Woodsocket, Yellow (from seed)
Goosegrass	Stranglefoot	Lambsquarters, Common	
Wildgrass	Wildgrass	Plantain	

1. In many areas a single application of 95 to 220 lbs./A. 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 95 to 147 lbs./A. followed after 60 to 90 days by a second application at a dose 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. Applications for this weed should be made in late summer, fall or winter prior to germination.
3. 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.

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 Barricade is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

Barricade 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.

Product	Lessco Fertilizer with 0.68% Barricade Rate (lbs./Acre)	North	Transition	South
74 lbs./A	0.50	4 months	4 months	4 months
95 lbs./A	0.66	5 months	4 months	4 months
110 lbs./A	0.74	6 months	5 months	5 months
118 lbs./A	0.80	-	6 months	6 months
147 lbs./A	1.00	-	7 months	7 months
168 lbs./A	1.14	-	-	9 months
191 lbs./A	1.30	-	-	10 months

LANDSCAPE ORNAMENTALS

(Including Established Perennial and Wildflower Plantings)
This product may be applied for residual preemergence weed control in ornamentals. Use Rates - Apply this product at 95 to 220 lbs./A. 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 220 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/grafs have taken to avoid any inhibition of the tissue union. 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 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 postemergence 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>Acer palmatum</i>	Fir Species, Balsam, etc.**	<i>Malephora aurea</i>	Ice Plant
<i>A. platanoides</i>	Japanese Maple	<i>Melia</i> sp.	Crabapple*
<i>Actinidia chinensis</i>	Novaya Maple	<i>Neranda domestica</i>	Heavenly Bamboo
<i>Agave attenuatus</i>	Kui* (Ornamental Only)	<i>Olea europaea</i>	Olive* (Ornamental only)
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita	<i>Onoclea japonica</i>	Mondo Grass
<i>Arctostaphylos uva-ursi</i>	Cape Weed	<i>Ostrya virginiana</i>	Trailing African Daisy
<i>Aucuba japonica</i>	Japanese Aucuba	<i>Parsonsia americana</i>	Avocado*
<i>Barberry</i>	Barberry	<i>Photinia fraseri</i>	Fraser's Photinia (Redtip)
<i>B. julianae</i>	Wintergreen Barberry	<i>Picea</i> sp.	Colorado Blue, Norway, etc.
<i>B. mentiensis</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. variegata</i>	Warty Barberry	<i>P. canariensis</i>	Canary Island Pine
<i>Buxus microphylla</i>	Japanese Boxwood	<i>P. eliotii</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>	Hotantof Fig (Ice Plant)	<i>P. radiata</i>	Monterey Pine
<i>Cassia aristata</i>	Feathery Cassia	<i>P. palustris</i>	Longleaf Pine
<i>Cassia nigridis</i>	Wild Licac	<i>P. strobus</i>	Eastern White Pine
<i>Chaetochyris plicifera</i>	Fine Cypress	<i>P. sylvestris</i>	Scotch Pine
<i>Clematis japonica</i>	Clematis	<i>P. taeda</i>	Loblolly Pine
<i>Citrus</i> sp.	Citrus species*	<i>P. thunbergiana</i>	Japanese Black Pine
<i>Cornus florida</i>	Flowering Dogwood	<i>Pistacia</i> sp.	Pistachio
<i>C. stolonifera</i>	American Dogwood	<i>Pittosporum rhombifolium</i>	Queensland Pittosporum
<i>Cortaderia selloana</i>	Pampas Grass	<i>P. latifolium</i>	Japanese Pittosporum
<i>Colonastrum spiculatum</i>	Cranberry Cotoneaster	<i>P. lucidum</i>	Pittosporum
<i>C. buxifolius</i>	Cotoneaster	<i>Prunus macrocarpa</i>	English Laurel
<i>C. demmeri</i>	Bearberry Cotoneaster	<i>Prunus laurocerasus</i>	Almond, Apricot, Nectarine, Peach, Plum and Prune*
<i>C. microphylla</i>	Rockspray Cotoneaster	<i>Prunus</i> sp.	Various
<i>Cretaeus</i> sp.	Hawthorn*	<i>Pseudotsuga menziesii</i>	Douglas Fir (Orna. Sites)
<i>Cupressus sempervirens</i>	Italian Cypress	<i>Pyracantha coccinea</i>	Firethorn
<i>Delosperma alba</i>	White Trailing Ice Plant	<i>P. tyrianica, koidzumii</i>	Firethorn
<i>Dodonaea viscosa</i>	Hop Bush	<i>Pyrus</i> sp.	Broadleaf Pear sp.
<i>Elaeagnus pungens</i>	Silverberry	<i>Quercus</i> sp.	Oak spp.
<i>Eucalyptus fortunei</i>	Wintercreeper	<i>Raphanistrum indicum</i>	Indian Hawthorne
<i>E. japonica</i>	Evergreen Euonymus	<i>Rhus glabra</i>	"Coral Belle"
<i>E. laurifolia</i>	Spreading Euonymus	<i>Rhus typhina</i>	"Flame Tree"
<i>E. latifolia</i>	Border Forsythia	<i>Rosa</i> sp.	Various
<i>Forsythia intermedia</i>	Greenstem Forsythia	<i>R. banksia</i>	Lady Bank's Rose
<i>F. viridissima</i>	Gardenia Cape-Jasmine	<i>R. chinensis</i>	Stem Rose
<i>Gardenia jasminoides</i>	English Ivy	<i>R. rugosa</i>	Rosemary
<i>Hedera helix</i>	Chinese Hibiscus	<i>R. blanda</i>	Santolina
<i>Hibiscus rose-sinensis</i>	Chinese Holly	<i>R. rugosa</i>	Sonchocarpus
<i>Ilex cornuta</i>	Japanese Holly	<i>Saxifraga</i> sp.	Japanese Boxcherry
<i>I. crenata</i>	American Holly	<i>Saxifraga</i> sp.	Japanese Yew
<i>I. opaca</i>	Holly	<i>Saxifraga</i> sp.	Yew, Var.
<i>I. pedunculata</i>	Winter Jasmine	<i>Saxifraga</i> sp.	American Arbovitae
<i>Juglans</i> sp.	Walnut*	<i>Saxifraga</i> sp.	Star Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper	<i>Saxifraga</i> sp.	Common Hemlock
<i>J. conferta</i>	Shore Juniper	<i>Saxifraga</i> sp.	Japanese Viburnum
<i>J. horizontalis</i>	Creeping Juniper	<i>Saxifraga</i> sp.	Sweet Viburnum
<i>Justicia brandegeana</i>	Shrimp Plant	<i>Saxifraga</i> sp.	Japanese Snowball
<i>Lagerstromia indica</i>	Crape Myrtle	<i>Saxifraga</i> sp.	Canary Island Viburnum
<i>Ligustrum amurense</i>	Amur Privet	<i>Saxifraga</i> sp.	Laurel
<i>L. japonicum</i>	Japanese Privet	<i>Saxifraga</i> sp.	Cranberry Bush
<i>L. lucidum</i>	Glossy Privet	<i>Saxifraga</i> sp.	Leatherleaf Viburnum
		<i>Saxifraga</i> sp.	Dwarf Periwinkle
		<i>Saxifraga</i> sp.	Grape*
		<i>Saxifraga</i> sp.	Old Fashioned Weigela
		<i>Saxifraga</i> sp.	Swedish Ravenna

If in eyes: Flush thoroughly with water for several minutes. 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 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
 Do not contaminate water, food, or feed by storage or disposal.
HAZARD: 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: Paper and plastic containers: 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; and established perennials & wildflower plantings. This product controls susceptible weeds by inhibiting weed seeds 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.

Application Directions
 Apply uniformly through suitable, calibrated commercial 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 grass and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the "Annual Rates" section of this label.
 1. 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 map below for approximate crabgrass seed germination dates.



CRABGRASS SEED GERMINATION DATES Approximate Date

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, whichever 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 in the following table. Do not exceed the maximum yearly rate as given in the following table.

Turf Species:	lb. Lesco Fertilizer with 0.68% Barricade / Acre	lb. a.i. per A.
Bermudagrass ²	220 lbs./A (= 5.05 lbs./1,000 sq.ft.)	1.5# / Acre
Bahia grass		
Centipedegrass		
Seashore Paspalum		
St. Augustinegrass ¹		
Tall Fescue (including turf-type)		
Zoysia	147 lbs./A (= 3.37 lbs./1,000 sq.ft.)	1.0# / Acre
Bulltonguegrass		
Kentucky Bluegrass		
Perennial Ryegrass		
Creeping Red Fescue	110 lbs./A (= 2.52 lbs./1,000 sq.ft.)	0.75# / Acre
Creeping Bentgrass	95 lbs./A (= 2.19 lbs./1,000 sq.ft.)	0.65# / Acre

- 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 121 lbs./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.
 - Use at an initial rate of 110 to 147 lbs./acre per application followed by sequential applications at doses that would not exceed the maximum annual application rate of 220 lbs./acre/year.
- Do not apply more than 220 lbs. of this product per calendar year.
 Use the higher rates of this product to achieve higher levels of fertility and weed control for each turf type.

Lesco Fertilizer with 0.68% Barricade Rate (lbs./Acre)	North	Transition	South
Product	4 months	4 months	4 months
74 lbs./A	5 months	4 months	4 months
95 lbs./A	6 months	5 months	5 months
110 lbs./A	6 months	6 months	6 months
118 lbs./A	-	6 months	6 months
147 lbs./A	-	7 months	7 months
168 lbs./A	-	-	9 months
191 lbs./A	-	-	10 months

LANDSCAPE ORNAMENTALS
 (Including Established Perennial and Wildflower Plantings)
 This product may be applied for residual preemergence weed control in ornamentals. Use Rates - Apply this product at 95 to 220 lbs./A 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 220 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 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 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 postemergence 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>Melicopea kileole</i>	Ice Plant
<i>Acer palmatum</i>	Japanese Maple	<i>Melus</i> sp.	Crabapple*
<i>A.platanoides</i>	Norway Maple	<i>Nandina domestica</i>	Heavenly Bamboo
<i>Actinidia chinensis</i>	Kiwit* (Ornamental Only)	<i>Olea europae</i>	Olive* (Ornamental only)
<i>Agapanthus africanus</i>	Lily-of-the-Nile	<i>Ophiopogon japonicus</i>	Monard Grass
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita	<i>Osteospermum fruticosum</i>	Trailing African Daisy
<i>Arctostaphylos californica</i>	Cape Weed	<i>Oxydendrum arboreum</i>	Sourwood
<i>Aucuba japonica</i>	Japanese Aucuba	<i>Persea americana</i>	Avocado*
<i>Barberris glycyphemis</i>	Barberry	<i>Photinia fraseri</i>	Fraser's Photinia (Redtip)
<i>B. juliflora</i>	Vickergreen Barberry	<i>Picea</i> spp.	Colorado Blue, Norway, etc.
<i>B. menziesii</i>	Mexican Barberry	<i>Picea japonica</i>	Lix of the Valley Shrub
<i>B. thunbergii</i>	Japanese Barberry	<i>Pinus banksiana</i>	California Pine
<i>B. verticillata</i>	Warty Barberry	<i>P. caroliniana</i>	Caryin Island Pine
<i>Buxus microphylla</i>	Japanese Boxwood	<i>P. elliptica</i>	Slash Pine
<i>Callistemon viminalis</i>	Weeping Bottlebrush	<i>P. halepensis</i>	Aleppo Pine
<i>Calluna vulgaris</i>	Scotch Heather	<i>P. nigr</i>	Austrian Black Pine
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)	<i>P. radiata</i>	Monterey Pine
<i>Cassia artemisioides</i>	Fedthly Cassia	<i>P. palustris</i>	Longleaf Pine
<i>Ceanothus rigidus</i>	Willy 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>Conus floride</i>	Flowering Dogwood	<i>Pistachio</i> sp.	Pistachio*
<i>C. stoloniifera</i>	American Dogwood	<i>Ptilosporum rhombifolium</i>	Queensland Ptilosporum
<i>Cortaderia selkoeana</i>	Pampas Grass	<i>P. lobata</i>	Japanese Ptilosporum
<i>Cotoneaster aciculatus</i>	Cranberry Cotoneaster	<i>Podocarpus neriifolia</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. Sitka)
<i>Crategeus</i> spp.	Hawthorne	<i>Pyraecanthus coccinea</i>	Firethorn (Scarlet)
<i>Cupressus sempervirens</i>	Mexican Cypress	<i>P. tyoceraea; koidzumii</i>	Firethorn sp.
<i>Delonix regia</i>	White Trailing Ice Plant	<i>Pyrus</i> sp.	Bradford Pear sp.
<i>Dodonaea viscosa</i>	Hop Bush	<i>Quercus</i> spp.	Oak spp.
<i>Elaeagnus pungens</i>	Silvercherry	<i>Raphanopis indica</i>	Indian Hithutome
<i>Euonymus fortunei</i>	Wintercreeper	<i>Funckia-andron</i> (including azalea)	'Coral Bells'
<i>E. japonica</i>	Evergreen Euonymus	<i>Rose banksiae</i>	'Fornosa', 'Hino-winter', 'PJM', 'Roseum Elegans'
<i>E. kieltschovicia</i>	Spreading Euonymus	<i>Potentilla officinalis</i>	'Lady Bank's Rose'
<i>Fatsia japonica</i>	Japanese Aralia	<i>Syringia virens</i>	Rosemary
<i>Forsythia intermedia</i>	Border Forsythia	<i>Taxus cuspidata</i>	Santolone
<i>F. viridissima</i>	Greenstem Forsythia	<i>T. media</i>	Stonewort
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine	<i>Taxus cuspidata</i>	Japanese Boxberry
<i>Hedera helix</i>	English Ivy	<i>T. 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 escholtzii</i>	Star Jasmine
<i>I. opaca</i>	American Holly	<i>Tsuga canadensis</i>	Common Hemlock
<i>I. pernyi</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>	Caryin Island Viburnum
<i>J. conferta</i>	Shore Juniper	<i>V. tinus</i>	Laurustinus
<i>J. horizontalis</i>	Creeping Juniper	<i>V. vitifera</i>	Cranberry Bush
<i>J. stricta</i>	Skyline Plant	<i>V. wrightii</i>	Leatherleaf Viburnum
<i>Lagerströmia indica</i>	Crape Myrtle	<i>Vince 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 filamentoza</i>	Yucca, Adam's Needle
<i>Lonicera japonica</i>	Japanese Honeysuckle		
<i>L. tatarica</i>	Tatarian Honeysuckle		

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Spreader	SPREADER SETTINGS		
	Settings for pounds /1,000 sq.ft.		
LESCO ROTARY	2.18#	2.52#	3.37#
SCOTT'S ROTARY	XX	XX	XX

Net Weight: 50 Pounds
 EPA Reg. No. 10404-01 EPA Est. No. 10404-OH-1
 Lesco, Inc. 20005 Lake Road - Rocky River, OH 44116