

LESCO Echelon™ 0.30% Plus Fertilizer

For Preemergence and early Postemergence Control of Crabgrass, selected annual grasses, sedges and annual broadleaf weeds in Turf Sites – Residential and Institutional Turf, Athletic Fields, Golf Course Fairways and Roughs.

Contains LESCO® Poly Plus® Polymer Coated Urea to provide a uniform growth with extended nitrogen feeding.

ACTIVE INGREDIENTS:

Sulfentrazone-N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide0.1%

Prodiamine: [N3,N3-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine].....0.2%

OTHER INGREDIENTS:99.7%

TOTAL:100.0%

LESCO Echelon 0.30% Granular contains 0.003 pounds of active ingredient per pound of product.

U.S. Patent No. 4,818,275

KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail).

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. Avoid breathing dust. Do not get on skin, in eyes or on clothing. Prolonged or frequently repeated skin contact while mixing or handling may cause allergic reactions in certain individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

FIRST AID

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 by mouth-to-mouth, if possible.• 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 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 eye.• Call a poison control center or doctor for treatment advice.
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 do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.

HOTLINE 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 1-800-331-3148 for emergency medical treatment information.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

- Users should:
- Remove clothing immediately if product gets inside. Then wash thoroughly and put on clean clothing.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

ENVIRONMENTAL HAZARDS

This product is toxic to marine/estuarine invertebrates. 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 may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Groundwater advisory: Sulfentrazone is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Do not use on coarse soils classified as sand which have less than 1% organic matter.

Surface water advisory: Sulfentrazone can contaminate surface water through spray drift. Under some conditions, sulfentrazone may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several to many months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips and areas over-lying tile drainage systems that drain to surface waters.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Re-entry Statement: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until dust has settled.

11-0-5

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)11.00%
11.00% Urea Nitrogen*

SOLUBLE POTASH (K₂O).....5.00%
IRON (Fe)3.00%

0.03% Water Soluble Iron (Fe)
MANGANESE (Mn)1.00%
0.14% Water Soluble Manganese

DERIVED FROM: Polymer Coated Urea, Urea, Muriate of Potash, Iron Sulfate, Manganese Sulfate.

*2.97% Slowly available Urea Nitrogen from Polymer Coated Urea.

FLORIDA APPLICATIONS: For use on golf courses or other athletic turf in FL, we recommend you follow SL191, "Recommendations for N, P, K & Mg for Golf Course and Athletic Field Fertilization Based on Mehlich I Extractant", available on the internet at <http://edis.ifas.ufl.edu/SS404>.

FLORIDA APPLICATIONS: For commercial application to urban turf or lawns in FL, we recommend you follow the Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries, available on the internet at http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP_Book_final.pdf.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
Pesticide Storage: Store product in original container only, away from other pesticides, fertilizer, food or feed. Reseal open bag by folding top down and securing. Store in a cool, dry place and avoid excess heat.

Spill: In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. **Confine spills. Call FMC: (800) 331-3148.**

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal: If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

Container Disposal: Paper and Plastic Bags: Non-refillable. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill, or by incineration, or by burning. Do not burn unless allowed by state or local authorities. If burned, stay out of smoke.

GENERAL INFORMATION

Turf Use Instructions
LESCO® Echelon™ 0.30% Plus Fertilizer is a selective pre-emergence and post-emergence herbicide for control of crabgrass, annual grass and broadleaf weeds and sedges in turf sites including residential and institutional turf, athletic fields, golf course fairways and roughs.
LESCO Echelon™ 0.30% Plus Fertilizer is a granular formulation containing 0.003 lbs of active ingredient per pound of formulated product. The mode of action of LESCO Echelon™ 0.30% Plus Fertilizer involves uptake by both weed roots and shoots of existing weeds and prevention of growth by newly emerged weed seedlings.

SPECIFIC USE INSTRUCTIONS IN TURFGRASS

Established Turf
This product may be used on seeded, sodded or sprigged turfgrasses that are well established. First application of this product can be made following the second mowing providing the grass has developed into a uniform stand with a good root system. Turf injury may result from application of this product on turf that is not well established or has been weakened by stresses such as unfavorable weather conditions, disease, chemical or mechanical influences.
Broadcast LESCO Echelon™ 0.30% Plus Fertilizer with suitable application equipment to ensure uniform coverage over the treatment area. A drop or rotary spreader designed to apply granular herbicide or insecticide is the preferred application of this product. Calibrate application equipment prior to application. Consult manufacturer operation manual for proper calibration and operation of application equipment. Apply 2.87 to 8.60 lbs per 1,000 sq ft to control broadleaf weeds and grasses. See Table 1 for application rates based on turf grasses.

When applied as directed under the conditions described, the following established grasses are tolerant to LESCO Echelon™ 0.30% Plus Fertilizer at the recommended use rates in a range from 0.250 to 1.125 lb ai/acre (83 to 375 lb/acre or 1.91 to 8.6 lb/1,000 sq ft). Do not exceed 1.125 lb ai/acre (375 lb/acre) per calendar year.

SUGGESTED SPREADER SETTINGS*

Spreader	1.91 lb	2.87 lb	3.81 lb	5.74 lb	8.60 lb
LESCO Calibration Gauge	12	13	14	17	22
PermaGreen	12	13	14	17	22
Vicon (LESCO Pendulum)	18	20	28	34	38

*IMPORTANT: These settings are only approximate. Age, condition of spreader, and operator speed can cause wide variation. Be sure to calibrate your spreader with each application. An extended Spreader Settings listing can be found at www.lesco.com.

Table 1. Tolerant grasses.

Grass Type	Recommended Use Rates		
	Do not exceed maximum use rates per turf species in a single application		
Cool Season Grasses	Lb ai per acre	Lb per 1000 ft ²	Lb per acre
Bentgrass, creeping ¹ Fescue, fine ² (Festuca rubra) Ryegrass, perennial (Lolium perenne)	0.25 - 0.375* lb ai	1.90 - 2.87 lbs	83 - 125 lbs
Bluegrass, Kentucky (Poa pratensis) Fescue, tall ² (Festuca arundinacea)	0.57 - 0.75* lb ai	4.36 – 5.74 lbs	190 - 250 lbs
Sequential Application for Mixed Cool Season Turf/Cool Season Blends consisting of:			
Fescue, fine ² (Festuca rubra), Ryegrass, perennial (Lolium perenne), Blue grass, Kentucky (Poa pratensis), Fescue, tall ² (Festuca arundinacea)	0.375 lbs ai Follow by 0.25-0.375lbs ai/a 30-60 days later	2.87 lbs. Follow by 1.90 to 2.87 lbs 30-60 days later	125 lbs Follow by 83 to 125 lbs 30-60 days later
Warm Season Grasses	Lb ai per acre	Lb per 1000 ft ²	Lb per acre
Bahiagrass (Paspalum notatum) Buffalograss Buchloe dactyloides) Carpetgrass (Axonopus affinis) Centipede grass (Eremochloa ophiuroides) Kikuyugrass (Pennisetum clandestinum) Seashore Paspalum (Paspalum vaginatum) Zoysia grass (Zoysia japonica)	0.57 - 0.75* lb ai	4.36 - 5.74 lbs	190 - 250 lbs
Bermudagrass (Cynodon dactylon) & hybrids	0.75 - 1.125* lb ai	5.74 - 8.6 lbs	250 - 375 lbs

1. If bentgrass is mowed lower than 0.5 inches do not apply LESCO Echelon™ 0.30% Plus Fertilizer.
2. Use of this product on certain varieties of Chewing Fine Fescue or Tall Fescue cultivars may result in undesirable injury.
3. LESCO Echelon™ 0.30% Plus Fertilizer may be applied more than once per year if needed as long as total amount applied does not exceed the maximum application rate per turf type or 1.125 lbs ai/acre (375 lbs/acre), whichever is lower.

Weed Controlled With Preemergence Application

Common Name	Scientific Name
Barnyardgrass	(<i>Echinochloa crus-galli</i>)
Bluegrass annual ¹	(<i>Poa annua</i>)
Carpetweed	(<i>Mollugo verticillata</i>)
Carolina Geranium	(<i>Geranium carolinianum</i>)
Chickweed, common ²	(<i>Stellaria media</i>)
Chickweed, mouseear (from seed)	(<i>Cerastium vulgatum</i>)
Crabgrass (large, Smooth)	(<i>Digitaria spp.</i>)
Crowfootgrass	(<i>Dactyloctenium aegyptium</i>)
Cupgrass, Woolly	(<i>Eriochloa villosa</i>)
Foxtails, Annual	(<i>Setaria spp.</i>)
Goosegrass ⁴	(<i>Eleusine indica</i>)
Hairy Bittercress	(<i>Cardamine hirsute</i>)
Henbit ⁴	(<i>Lamium amplexicaule</i>)
Itchgrass	(<i>Rottboellia exaltata</i>)
Knotweed, prostrate	(<i>Polygonum aviculare</i>)
Kochia	(<i>Kochia scoparia</i>)
Kyllinga, green	(<i>Kyllinga brevifolia</i>)
Kyllinga, false	(<i>Kyllinga gracillima</i>)
Lambsquarters, common	(<i>Chenopodium album</i>)
Lovegrass	(<i>Eragrostis spp.</i>)
Nutsedge, yellow	(<i>Cyperus esculentus</i>)
Panicum (Texas, Fall)	(<i>Panicum spp.</i>)
Pigweed, Redroot	(<i>Amaranthus retroflexus</i>)
Purslane, Common	(<i>Portulaca oleracea</i>)
Pusley, Florida	(<i>Richardia scabra L.</i>)
Sedge, globe	(<i>Cyperus globulosus</i>)
Sedge, cylindrical	(<i>Cyperus retrosus</i>)
Sedge, Surinam	(<i>Cyperus surinamensis</i>)
Sedge, Texas	(<i>Cyperus polystachyos</i>)
Shephardspurse ⁴	(<i>Capsella bursa-pastoris</i>)
Signalgrass, broadleaf	(<i>Brachiana playphylla</i>)
Speedwell	(<i>Veronica spp.</i>)
Sprangletop	(<i>Leptochola spp.</i>)
Spurge, prostrate	(<i>Euphorbia humistrata</i>)
Witchgrass	(<i>Panicum capillare L.</i>)
Woodsorrel, yellow (from Seed)	(<i>Oxalis stricta</i>)

1. Poa annua is a winter annual. Applications of LESCO Echelon™ 0.30% Plus Fertilizer should be made in August or September to established, non overseeded turf before Poa Annua germinates. Consult local Cooperative Extension Service for more specific application timings for your local area since August and September are approximate timings.
2. Apply LESCO Echelon™ 0.30% Plus Fertilizer in late summer, fall or winter before weed germinates for control.
3. Crabgrass control in cool season grasses from fall application:
Areas where the ground is subject to winter freezes, LESCO Echelon™ 0.30% Plus Fertilizer may be applied in the fall at rates listed in Table 1 (83-250 pounds per acre) for cool season grasses when soil temperatures are below 50°F, but prior to the ground freezing. This will provide control of crabgrass the following spring.
4. In areas of extended growing season and heavy pressure weed control will be enhanced by second application of Echelon 60-90 days after initial application.

Postemergence Control of Annual, Biennial & Perennial Broadleaf Weeds and sedges
LESCO Echelon™ 0.30% Plus Fertilizer will control or suppress the weeds listed in Table 3 when applied shortly after weeds have emerged. Do not exceed the application rate specified for the turf species in Table 1.

Table 3. Weeds Controlled or Suppressed When Application Made Postemergence to Weeds

Common Name	Scientific Name	Controlled	Suppressed
Bittercress	(<i>Cardamine spp.</i>)		X
Black medic	(<i>Medicago lupulina</i>)		X
Buttercups	(<i>Ranunculus spp.</i>)		X
Carolina Geranium	(<i>Geranium carolinianum</i>)	1	
Carpetweed	(<i>Mollugo verticillata</i>)		X
Chickweed, common	(<i>Stellaria media</i>)	1	
Chickweed, mouseear	(<i>Cerastium vulgatum</i>)		X
Cinquefoil	(<i>Potentilla spp.</i>)		X
Clover	(<i>Trifolium spp.</i>)		X
Crabgrass (Large and Smooth)	(<i>Cardamine spp.</i>)	2	
Cudweed	(<i>Gnaphalium spp.</i>)		X
Dandelion	(<i>Taraxacum officinale</i>)		X
Dock, Curly	(<i>Rumex crispus</i>)		X
Evening primrose	(<i>Oenothera biennis</i>)		X
Fiddleneck	(<i>Amsinckia spp.</i>)		X
Filaree	(<i>Erodium spp.</i>)		X
Goldenrod	(<i>Solidago spp.</i>)	1	
Goosegrass	(<i>Eleusine indica</i>)	2	
Ground ivy	(<i>Glechema hederacea</i>)	1	
Henbit	(<i>Lamium amplexicaule</i>)		X
Knotweed, prostrate	(<i>Polygonum aviculare</i>)		X
Kochia	(<i>Kochia scoparia</i>)	1	
Lambsquarters, common	(<i>Chenopodium album</i>)		X
Lespedeza, common	(<i>Lespedeza striata</i>)		X
Mallow, common	(<i>Malva neglecta</i>)		X
Nutsedge, yellow	(<i>Cyperus esculentus</i>)	C	
Parsley pier	(<i>Alchemilla arvensis</i>)	1	
Pigweed, Redroot	(<i>Amaranthus retroflexus</i>)	1	
Pigweed, Tumble	(<i>Amaranthus albus</i>)	1	
Pineapple weed	(<i>Matricaria matricarioides</i>)		X
Plantain, buckhorn	(<i>Plantago lanceolata</i>)	1	
Puncture weed	(<i>Tribulus terrestris</i>)		X
Purslane, Common	(<i>Portulaca oleracea</i>)		X
Pusley, Florida	(<i>Richardia scabra L.</i>)	1	
Redweed	(<i>Melochia corchorifolia</i>)		X
Rocket, London	(<i>Sisymbrium irio</i>)		X
Smartweed, Pennsylvania	(<i>Polygonum pennsylvanicum</i>)	1	
Sorrel, Red	(<i>Rumex acetosella</i>)		X
Speedwell	(<i>Veronica spp.</i>)	1	
Spurge, (annuals)	(<i>Euphorbia spp.</i>)	1	
Spurge, prostrate	(<i>Euphorbia humistrata</i>)	1	
Spurge, spotted	(<i>Euphorbia maculata</i>)	1	
Star of Bethlehem	(<i>Ornithogalum umbellatum</i>)	1	
Velvet leaf	(<i>Abutilon theophrasti</i>)		X
Violet, wild	(<i>Viola pratensis</i>)		X
Wild garlic	(<i>Allium vineale</i>)		X
Wild onion	(<i>Allium canadense</i>)		X
Woodsorrel, creeping	(<i>Oxalis corniculata</i>)		X
Woodsorrel, yellow	(<i>Oxalis stricta</i>)	1	

1. Weeds are suppressed at lower label rates (<250 lbs/acre). For optimum control apply rates of at least 250 lbs per acre in a single application. Do not exceed the application rate specified for the turf species in Table 1.
2. LESCO Echelon™ 0.30% Plus Fertilizer controls crabgrass and goosegrass when applied postemergent to newly emerged weeds in the 1-4 leaf stage of development.

Application to Reseeded, Overseeded or Sprigged Areas

Reseeding, overseeding or sprigging of treated areas within three to twelve (3-12) months after application of this product could inhibit the establishment of desirable grasses (See table for exact intervals from applications). Best results are obtained for reseeding or overseeding when mechanical or power seeding equipment (slit seeders) are used to give good seed to soil contact and proper soil cultivation, irrigation and fertilization practices are followed.

Overseed Intervals after LESCO Echelon™ 0.30% Plus Fertilizer Applications

Total Amount of LESCO Echelon™ 0.30% Plus Fertilizer Applied	Interval (Months Before Overseeding)		
	North	Transition	South
83 – 125	3	3	3
190 – 250	4	4	4
375	6	5	5

Other Use Precautions

Do not apply to golf course putting greens or tees.
Do not use on turfgrasses other than those listed on this label.
Do not graze or feed livestock forage cut from areas treated with LESCO Echelon™ 0.30% Plus Fertilizer.
Do not apply directly to landscape ornamentals or ornamental beds.
Do not apply to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.
Do not apply to creeping bentgrass if mowing height is less than 0.5 inch.
Do not apply with adjuvants or surfactants.

Net Weight: 50 lb (22.7 kg) SGN 240

EPA REG. NO. 279-3322-10404
EPA EST. NO. 961-PA-01 (L), 961-IL-01 (D), 8378-IN-1 (K), 9404-FL-1 (C), 59144-GA-1 (A), 32802-MO-1 (B), 61842-CA-1 (T), 37351-CO-1 (E)

First letter of lot code indicates manufacturing site.

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