1-2319

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#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

## FEB 2 4 2009

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Callista O. Chukwunenye, Ph.D. Manager, Product Registration FMC Corportation 1735 Market Street Philadelphia, PA 19103

Subject: Notification(s) for Label Revisions under PRN 98-10 and PRN 2007-4

Dear Dr. Chukwunenye:

EPA Registration 279-3319

Echelon 0.9% Granular Herbicide on Fertilizer

The Registration Division (RD) has conducted a review of the request(s) for applicability under PRN 98-10 and PRN 2007-4 and finds that the label changes requested fall within the scope of PRN-98-10 and PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identify the batch of the pesticide distributed and sold be placed on <u>nonrefillable</u> containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P) Office of Pesticide Programs

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	Applic	cation for Pest	icide - Sect	tion I				
. Company/Product Numbe FMC Corporation/ 27		1	PA Product Man . Joanne I. Mil	-		3. Pro	posed Classifica	ation Restricted
. Company/Product (Name FMC Corp/Echelon 0.	) 9% Granular Herbicide on	Fertilizer PM	1-23					
5. Name and Address of Ap FMC Corporation 1735 Market Street Philadelphia, PA 19 <sup>4</sup>		(b)(i to: EP	Expedited Rev ), my product i A Reg. No. 2 poduct Name	s simi 79 -	lar or identica 3319	al in cor	nposition and	labeling
		Section						
Amendment - Explain	conse to Agency letter dated	[	✓ Final printed Agency lett "Me Too" A Other - Exp	er date Applica	in repsonse t d tion.	0	<b>CATION</b> <b>3</b> 4 2009	
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## FMC Agricultural Products

FMC Corporation 1735 Market Street Philadelphia, PA 19103

215.299.6000 Phone

www.fmc.com

October 20, 2008

Ms. Joanne I. Miller Document Processing Desk Herbicide Branch, RD (7505P) U.S. Environmental Protection Agency One Potomac Yard, Room S-4900 2777 S. Crystal Drive Arlington, VA 22202

Dear Ms. Miller:

Subject: Notification of warranty statement update, storage and disposal statement update, adding and deleting pests, table expansion/reformat, clarification of directions for use and minor label change per PR Notice 98-10 Echelon 0.9% Granular Herbicide on Fertilizer (EPA Reg. No.: 279-3319)

FMC is notifying the EPA that we have made the subject notification-type label change as listed below:

Page 1: revised the label heading

Page 4: updated the storage and disposal per PR Notice 2007-4

Page 5-8: expanded and reformatted weed table and added clarifying language

Page 10: updated the warranty with the statement "to the extent consistent with applicable law".

The changes are shown in red text on the reference pages of the label. A copy is enclosed for your record.

Please do not hesitate to call me if you have any questions. My phone number is (215) 299-6592.

Sincerely,

Callista O. Chukwunenye, Ph.D. Manager, Product Registrations Callista\_chukwunenye@fmc.com

Enclosures: This letter EPA Form 8570-1 1 copy of the label with the changes in red text Electronic Pesticide Label CD-ROM for Echelon 0.9% Granular Herbicide on Fertilizer





ECHELON®

## 0.9% Granular Herbicide on Fertilizer

For Preemergence and early postemergence Control of Crabgrass, selected annual grasses, sedges and annual broadleaf weeds in Turf Sites - Residential and Institutional Lawns, Athletic Fields, Commercial Sod Farms, Golf Course Fairways and Roughs, Roadsides, Utility right-of-ways, Railways and Industrial areas

EPA Reg. No. 279-3319 EPA Est. 279-

#### Active Ingredient: By Wt.

Sulfentrazone: N-[2,4-dichloro-5-[4-(difluoro<br/>methyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide0.3%Prodiamine: [N3,N3-Di-n-propyl-2,4-dinitro-<br/>6-(trifluoromethyl)-m-phenylenediamine0.6%Other Ingredients99.1%<br/>100.0%

Contains 0.9% pounds of active ingredient per pound of product U. S. Patent No. 4,818,275

### **Guaranteed Analysis XX-X-XX**

Total Nitrogen (N)XX.XX %
XX.XX% Urea Nitrogen
Soluble Potash (K2O) XX.XX %
Sulfur (S) Total XX.XX %
X.XX % Free Sulfur (S)
X.XX % Combined Sulfur (S)
Iron (Fe) Total
X.XX % Soluble Iron (Fe)
Derived From: Poly Coated Sulfur Coated Urea, Sulfate
Of Potash, Iron Sucrate.
Chlorine (Cl) Max X.XX %

FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia PA 19103

## KEEP OUT OF REACH OF CHILDREN CAUTION

See other panels for additional precautionary information.

10-15-08 Notification

## NOTIFICATION

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FIRST AID				
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 by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>			
If on skin or clothing	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> <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 eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>			
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 do so by the poison control center or doctor.</li> <li>Do Not Give anything by mouth to an unconscious persaon</li> </ul>			
HOTLINE NUMBER				
poison control ce may also contact Assistance.	container or label with you when calling a nter or doctor, or going for treatment. You 1-(800)-331-3148 for Emergency			
For Information 800-321-1FMC (	Regarding the Use of this Product Call 1- 1362).			

## 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.

## **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 pesticide gets inside. Then wash thoroughly and put on clean clothing.

### Environmental Hazards

This pesticide 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. <u>Surface water advisory</u>: 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.

## 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.

### **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 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.

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## STORAGE AND DISPOSAL

Do not contaminate water, food of 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 Plastc 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

Echelon is a selective pre-emergence and post-emergence turf herbicide for control of sedges, annual grass and broadleaf weeds in turf sites including residential and institutional lawns, athletic fields, commercial sod farms, golf course fairways and roughs.

Echelon turf herbicide is formulated as a herbicide on a fertilizer granule carrier containing 0.9 % active ingredient per pound of fertilizer carrier. The mode of action of Echelon turf herbicide involves uptake by both weed roots and shoots of existing weeds and prevention of growth by newly emerged weed seedlings.

**Turf Application:** Broadcast Echelon 0.9% Granular Herbicide on Fertilizer with suitable application equipment to ensure uniform coverage over the treatment area. A drop or rotary spreader designed to apply granular fertilizer, herbicide or insecticide is the preferred application of this product. Calibrate application equipment prior to application. Consult applicators manufacturer's operation manual for proper calibration of the section of the secti

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## Weed Control in Turfgrasses Use Precautions for Turf Use

## **Turfgrass Safety**

This product may be used on seeded, sodded or sprigged turgrasses 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 could 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.

When applied as directed under the conditions described, the following established grasses are tolerant to Echelon at the recommended use rates in a range from 0.250 to 1.125 lb a.i./acre (28 to 125 lbs/acre or 0.643 to 2.9 lbs./1,000 sq. ft). Do not exceed 1.125 lbs a.i./acre (125 lbs of product) rate per calendar year.

Grass Type	<b>Recommended Use Rates</b> Do not exceed maximum use rates per turf species in a single applicationr			
Cool Season Grasses	lb ai/A	Lbs product per 1000 ft <sup>2</sup>	Lbs product per acre	
Bentgrass, creeping[1]			•	
Fescue, fine* (Festuca rubra)	0.25-0.375#	0.643 - 0.952	28 - 41.5	
Ryegrass, perennial (Lolium perenne)			1	
Bluegrass, Kentucky (Poa pratensis)				
Fescue, tall* (Festuca arundinacea)	0.57-0.75#	1.45 – 1.92	63.5 <b>-</b> 83.5	
Sequential Application for Mixed Cool Season Turf/Cool Season Blends consisting of:				
Pescue, fine <sup>2</sup> (Festuca rubra), Ryegrass, perennial (Lolium perenne), Bluegrass, Kentucky (Poa pratensis) Fescue, tall <sup>2</sup> (Festuca arundinacea)	0.375 lbs ai Follow by 0.25 -0.375lbs ai/a 30-60 days later	0.952 lbs. Follow by 0.643 to 0.952 lbs 30- 60 days later	41.5 lbs. Follow by 28 to 41.5 lbs 30 – 60 days later	
Warm Season Grasses		Lbs product per 1000 ft <sup>2</sup>	Lbs product per acre	
Bahiagrass (Paspalum notatum) Buffalograss (Buchloe dactyloides) Carpetgrass (Axonopus affinis) Centipedegrass (Eremochloa ophuiroides) Kikuyugrass (Pennisetum clandestinum) Seashore Paspalum (Paspalum vaginatum) Zoysiagrass (Zoysia japonica)	0.57-0.75#	1.45 - 1.92	63.5- 83.5	
Bermudagrass (Cynodon dactylon) & hybrids	0.75-1.125#	1.92 – 2.9	83.5 -125	

Table 1. Tolerant grasses.

\* Use of this product on certain varieties of Chewing Fine Fescue or Tall Fescue cultivars may result in undesirable injury.

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# Echelon may be applied twice per year if needed as long as total amount applied each application does not exceed the maximum single application rate.

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## [1] If bentgrass is mowed lower than 0.5 inches do not apply Echelon.

- Use of this product on certain cultivars of Chewings Fescue, Fine Fescue or Tall Fescue cultivars may result in undesirable injury.
- Echelon application may cause temporary discoloration to exposed leaf surfaces on certain cultivars of zoysiagrass. Treated turfgrass will recover with new growth. Discolored leaf tissue will be removed with moving. To reduce potential for discoloration, do not apply Echelon on turfgrass that is weakened by weather, mechanical, chemical, disease or other related stress. Maintain proper cultural practices such as adequate moisture and fertility levels to promote healthy turf growth.
- Echelon has demonstrated tolerance on both cool and warm season turfgrasses. However, not all varieties and or cultivars have been evaluated. Turfgrass managers desiring to treat newly released varieties should first apply Echelon to a small area prior to treatment of larger areas.

Table 1A. Applications for St Augustine Grass - Application of Echelon to St. Augustine Grass may cause temporary discoloration to exposed leaf surfaces of St. Augustine grass. Treated turfgrass will recover with new growth and discolored leaf tissue will be removed with mowing.

Do not apply Echelon to St Augustine grass if temporary discoloration cannot be accepted.

Warm Season	Lb.ai	Pounds per	Pounds per
Grass	per acre	1000ft2	acre
St. Augustine	0.57 lbs ai Follow by 0.57 lbs ai 45-60 days later	1.45 lbs Follow by 1.45 lbs 45- 60 days later	63.5 lbs. Follow by 63.5 lbs 45 60 days later

Table2.

## Weed controlled from Pre- emergence application of Echelon

Common Name	Scientific Name
Barnyardgrass	(Echinochloa crus-galli)
Bluegrass annual I	(Poa annua)
Carpetweed	(Mollugo verticillata)
Carolina Geranium	Geranium carolinianum
Chickweed, common 2	(Stellaria media)
Chickweed, mousear (from seed)	(Cerastium vulgatum)
Crabgrass (large, Smooth) 3	(Digitaria spp.)
Crowfootgrass	(Dactyloctenium aegyptium.)
Cupgrass, Woolly	(Eriochloa villosa)
Foxtails, Annual	(Setaria spp)
Goosegrass 4	(Eleusine índica)
Hairy Bittercress	Cardamine hirsuta
Henbit 2	(Lamium amplexicaule )
Itchgrass	(Rottboellia exaltata)
Knotweed, prostrate	(Polygonum aviculare)
Kochia	(Kochia scoparia)
Kyllinga, green	(Kyllinga brevifolia)
Kyllinga, green Kyllinga, false	(Kyllinga gracillima)
Lambsquarters, common	(Chenopodium album)
Lovegrass	(Eragrostis spp.)
Nutsedge, yellow	(Cyperus esculentus)
Pancium (Texas,Fall)	(Panicum spp.)
Pigweed, Redroot	(Amaranthus retroflexus)
Purslane, Common	(Portulaca oleracea)
Pusley, Florida	(Richardia scabra L.)
Sedge, globe	(Cyperus globulosus)
Sedge, cylindrical	(Cyperus retrorsus)
Sedge, Surinam	(Cyperus surinamensis)
Sedge, Texas	(Cyperus polystachyos)
Shephardspurse 2	(Capsella bursa-pastoris)
Signalgrass, broadleaf	(Brachiaria playphylla)
Speedwell	(Veronica spp.)
Sprangletop	(Leptochola spp.)
Spurge, prostrate	(Euphorbia humistrata)
Witchgrass	(Panicum capillare L.)
Woodsorrel, yellow (from Seed)	(Oxalis stricta)
	al applications of Dahalan should be used

1. Poa annua is a winter annual applications of Echelon should be made in August or September to Ó established, non overseeded turf before Poa Annua germinates. Consult local Cooperative ເັບວບ

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Extension Service for more specific applications timings for your local area since August – September are approximate timings.

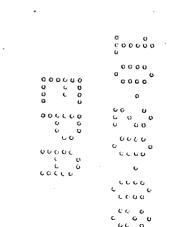
- 2. Apply Echelon in late summer, fall or winter before weed germinates for control.
- 3. <u>Crabgrass control in cool season grasses from fall application:</u> Areas where the ground is subject to winter freezes, Echelon may be applied in the fall at rates listed in Table 1 for cool season grasses when soil temperatures are below 50F, 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

ECHELON herbicide 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 by Echelon herbicide when application made post emergence to weeds.

Common Name	Scientific Name	Controlled	Suppressed
Bittercress	(Cardamine spp.)	•	X
Black medic	(Medicago lupulina)		X
Buttercups	(Ranunculus spp.)		Х
Carolina geranium	(Geranium	1	
<b>,</b>	carolinianum)	· · · ·	
Carpetweed	(Mollugo verticillata)		Х
Chickweed, common	(Stellaria media)	1	
Chickweed, mousear	(Cerastium vulgatum)		Х
Cinquefoil	(Potentilla spp.)		X
Clover	(Trifolium spp.)		X
Crabgrass (Large and Smooth)	(Digitaria spp.)	2	
Cudweed	(Gnaphalium spp.)		X
Dandelion	(Taraxacum officinale)		Х
Dock, Curty	(Rumex crispus)		X
Evening primrose	(Oenothera biennis)		X
Fiddleneck	(Amsinckia spp.)	• • • • • •	X
Filaree	(Erodium spp.)		X
Goldenrod	(Solidago spp.)	1	
Goosegrass	(Eleusine indica)	2	· · · · · · · · · · · · · · · · · · ·
Ground ivy	(Glechema hederacea)	·····	
Henbit	(Lamium amplexicaule)		X
Knotweed, prostrate	(Polygonum aviculare)		X
Kochia	(Kochia scoparia)	1	^
Lambsquarters,	(Chenopodium album)	'	
common	(cheriopodialit albanity		Х
Lawn burweed	(Soliva pterosperma)		X
Lespedeza, common	(Lespedeza striata)		x x
Mallow, common	(Malva neglecta)		ŵ ŵ
Nutsedge, Yellow	(Cyperus esculentus)	С	<u>^</u>
Parsley piert	(Alchemilla arvensis)		
Pigweed, Redroot	(Amaranthus		
righteed, riedheet	retroflexus)	1	
Pigweed, Tumble	(Amaranthus albus)	1	
Pineapple weed	(Matricaria		
	matricarioides)		· X
Plantain, buckhorn	(Plantago lanceolata)	1	
Puncture weed	(Tribulus terrestris)		X
Purslane, common	(Portulaca oleracea)		X
Pusley, Florida	(Richardia scabra)	1	
Redweed	(Melochia corchorifolia)	······	X
Rocket, London	(Sisymbrium irio)		<u> </u>
Smartweed.	(Polygonum		
Pennsylvania	pensylvanicum)	1	
Sorrel, Red	(Rumex acetosella)		X
Speedweli	(Veronica spp.)	1	
Spurge, (annuals)	(Euphorbia spp.)	1	
Spurge, prostrate	(Euphorbia humistrata)	1	
Spurge, spotted	(Euphorbia maculata)	1	
Star of Bethlehem	(Omithogalum		
	umbellatum)	1	
Velvetleaf	(Abutilon theophrasti)		X
Violet, wild	(Viola pratincola)		x x
Wild garlic	(Allium vineale)		x x
	L_L_L_L_L_L_L_L_L_L_L_L_L_L_L_L_L_L_L_		· · · · · · · · · · · · · · · · · · ·



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		•	
Wild onion	(Allium canadense)		Х
Woodsorrel, creeping	(Oxalis comiculata)		Х
Woodsorrel, yellow	(Oxalis stricta)	1	

Weeds are suppressed at lower label rates (<83.5 lbs/acre). For optimum control apply rates of at least 83.5 lbs per acre in a single application. Do not exceed the application rate specified for the turf species in Table 1. Echelon controls crabgrass and goosegrass when applied postemergent to newly emerged weeds in the 1-4 leaf 1.

2. stage of development.

## Application to reseeded, overseeded or sprigged areas:

Reseeding, overseeding or sprigging of treated areas within three to twelve (3 -6) months\* after application of this product could inhibit the establishment of desirable grasses. [See table 4 for exact intervals from application].

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.

## Table 4

Total Amount of Echelon 0.16% Applied	Interval (Months Before Overseeding)			
Lbs. Product/A	North	Transition	South	
28 -56	3	3	3	
84	4	4	4	
125	6	5	5	

## \*Overseeding Intervals after Echelon application/s.

### **Sod Production:**

It is recommended that sod be established for at least six (6) months before an application of Echelon 0.9% Granular Herbicide on Fertilizer.

Do not apply this product within three (3) months of harvest.

## **Other Use Precautions:**

Do not apply to golf course putting greens or tees.

Do not use on turgrasses other than those listed on this label.

Do not graze or feed livestock forage cut from areas treated with Echelon turf herbicide.

Do not apply directly to landscape ornamentals or ornamental beds. Applications in ornamental beds may cause damage to bulbs and existing plants.

Do not apply to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species. 0 0

		0
Do not apply to creeping bentgrass if mowing height is less than 0.5 i	nch.	0000 0 00 0000
Do not harvest treated sod before 90 days after application.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Do not apply to newly set sod until the sod has rooted and exposed edges in.	have grown	ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο
		ιους 
		6 00 0 7 0 0 7 0

## **APPLICATION INSTRUCTIONS For:**

## Railroad Rights-of-Way

Echelon herbicide can be used to control many weeds and maintain bare ground on railroad rights-of-way, including railroad yards, railroad crossings and railroad bridge abutments.

## Highway, Roadside, Pipeline and Utility Rights-of-Way.

Echelon Herbicide can be used to control many weeds and maintain bare ground in highway, roadside, pipeline and utility rights-of-way, Such areas would include, but are not limited to, guard rails, road shoulders, electric utility substations, pipeline pumping stations, around electric transmission towers, around distribution line poles and in other areas where complete vegetation control is desired.

## Industrial Areas, Fence Rows and Other Non-crop Sites

Echelon Herbicide is recommended to control weeds and maintain bare ground in industrial areas including production facilities, tank farms, storage areas, parking areas, lumber yards, airports, military installations, along fence rows, and in similar non-crop sites where complete vegetation control is needed.

## Method and Rate of Application

For residual control of germinating weeds in non-crop land, apply this product as a broadcast treatment at 83.5 to 125 pounds of product (0.75 to 1.125 pounds active ingredient) per acre by ground equipment.

DO NOT apply Echelon Herbicide to soils classified as sand with less than 1% Organic Matter.

## Timing

For best results, apply Echelon Herbicide alone in late summer, fall, or early spring to insure adequate moisture for soil activation.

## Weeds Controlled

Echelon when applied at 83.5 to 125 pounds of product per acre, will control the following weeds in non-cropland areas (Table 5). Use the higher labeled rates to extend length of control. Use the higher rates on sites with fine soil textures and on sites with more than 2% organic matter.

Weeds controlled from pre- emergence application of Echelon to bare ground prior, to weed seed germination.

#### Table 5

Common Name	Scientific Name	
Barnyardgrass	(Echinochloa crus-galli)	
Bluegrass annual 1	(Poa annua)	
Carpetweed	(Mollugo vérticillata) Geranium carolinianum	
Carolina Geranium		
Chickweed, common 2	(Stellaria media)	

Chickweed, mousear (from seed)	(Cerastium vulgatum)
Crabgrass (large, Smooth) 3	(Digitaria spp.)
Crowfootgrass	(Dactyloctenium aegyptium.)
Cupgrass, Woolly	(Eriochloa villosa)
Foxtails, Annual	(Setaria spp)
Goosegrass 4	(Eleusine indica)
Hairy Bittercress	Cardamine hirsuta
Henbit	(Lamium amplexicaule )
Itchgrass	(Rottboellia exaltata)
Knotweed, prostrate	(Polygonum aviculare)
Kochia	(Kochia scoparia)
Kyllinga, green	(Kyllinga brevifolia)
Kyllinga, false green	
Lambsquarters, common	(Chenopodium album)
Lovegrass	(Eragrostis spp.)
Nutsedge, yellow	(Cyperus esculentus)
Nutsedge, purple	(Cyperus rotundus)
Pancium (Texas,Fall)	(Panicum spp.)
Pigweed, Redroot	(Amaranthus retroflexus)
Purslane, Common	(Portulaca oleracea)
Pusley, Florida	(Richardia scabra L.)
Sedge, globe	(Cyperus globulosus)
Sedge, cylindrical	(Cyperus retrorsus)
Sedge, Surinam	(Cyperus surinamensis)
Sedge, Texas	(Cyperus polystachyos)
Shephardspurse 2	(Capsella bursa-pastoris)
Signalgrass, broadleaf	(Brachiaria playphylla)
Speedwell	(Veronica spp.)
Sprangletop	(Leptochola spp.)
Spurge, prostrate	(Euphorbia humistrata)
Witchgrass	(Panicum capillare L.)
Woodsorrel, yellow (from Seed)	(Oxalis stricta)

## NOTIFICATION

FEB 2 4 2009

### Conditions of Sale and Limitation of Warranty and Liability:

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control or FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and to the extent consistent with applicable law, buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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