

PM 25

62719-136

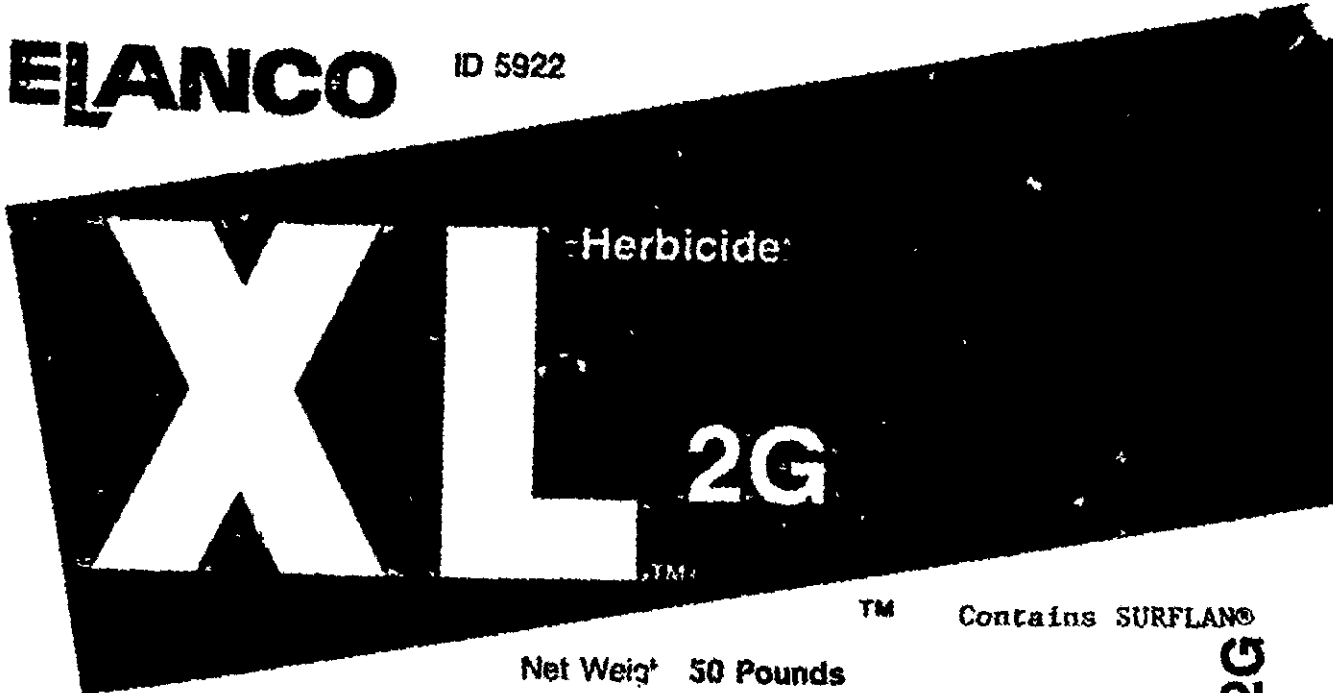
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2G **XL**  
ELANCO ID 5922

**ACCEPTED**  
MAY 30 1969  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1471-148

Transferred to 62719 36

**ELANCO** ID 5922



XL Granular is a selective preemergence herbicide for control of most annual grasses and certain broadleaf weeds in:

**Established Warm Season Turf**

- Bahiagrass
- Bermudagrass
- Centipedegrass
- St. Augustinegrass
- Zoysiagrass
- Tall Fescue

**Container Grown Ornamentals  
Landscape Ornamentals  
Ground Covers**

Active Ingredients:  
 N-butyl-N-ethyl-N-(1-hydroxy-2,6-dimethyl-4-pyridinyl)propylamine 10%  
 oryzalin 3-(5-dimethyl-1H-tetrazol-5-yl)propanoic acid 10%  
 Inert Ingredients 80%  
 Contains 1 pound active ingredient per 50 pound bag  
 XL™ (bifenox plus oryzalin, Elanco)

ELANCO ID 5922 **XL** 2G™

Field Grown Ornamentals

Surflan® (oryzalin, Elanco)

Keep Out of Reach of Children.

**CAUTION**

See back of bag for additional precautions; statements

EPA Reg. No. 1471-148  
FH 1196

EPA Est. 1145-L, 1, 32761 MO-3  
Subscript used is first letter of lot number

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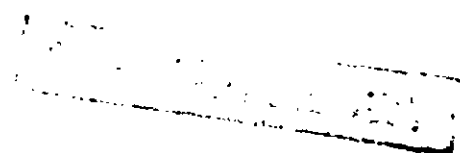
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**Directions for Use**

Read All Directions Carefully Before Applying

See Literature in Pocket of Bag for Complete Directions for Use. Apply this product only as specified on this label or in literature published by Elanco Products Company. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

BG 0183 AMB



**Precautionary Statements**

**Hazards to Humans and Domestic Animals**  
**CAUTION**

Insert 1 ~~Warning: Do not swallow, inhale or absorb through the skin. Avoid breathing dust and contact with the eyes. Use eye protection and protective clothing such as coveralls, long-sleeved shirt and impermeable gloves when handling the product.~~

**Statements of Practical Treatment**

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

If in eyes: Flush eyes with plenty of water. Get medical attention if irritation develops.

If inhaled: If discomfort occurs, remove individual to fresh air. Get medical attention if breathing difficulty occurs.

develops  
develops

Insert 2 **Environmental Hazards**

Insert 3 ~~Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.~~

**STORAGE AND DISPOSAL**

**Storage:** Store in original container only. In case of leak or spill, contain material and dispose as waste.

**Pesticide Disposal:** Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities by burning. If burned, stay out of smoke.

**Disclaimer of Warranties**

~~The manufacturer makes no warranties concerning the product or its use which extend beyond the description on the label. All other warranties, express or implied, including but not limited to any implied warranties of merchantability and fitness for a particular purpose, are disclaimed. All statements concerning this product apply only when used as directed.~~

**Limitation of Damages**

~~Elanco disclaims whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the return of the amount of the purchase price of the XL 2G and under no circumstances shall Elanco be liable for special, indirect or consequential damages.~~

Elanco Products Company • A Division of Eli Lilly and Company  
Indianapolis, IN 46285, U.S.A.



Elanco Products Company

This disclaimer of warranties does not apply where prohibited by law.

The liability of Elanco Products Company

This limitation of damages does not apply where prohibited by law.



### Activation and Cultivation

XL will remain stable on the soil surface, however, rainfall or irrigation is needed to move XL into the soil. If weeds begin to emerge due to lack of rainfall or irrigation, shallow cultivate (1 to 2 inches) to destroy existing weeds and place XL in the weed germination zone. Shallow cultivation (1 to 2 inches) will not reduce herbicidal effectiveness.

### Ornamental Plants

XL is recommended for use on the following species. All species on the following list may be treated when field grown, those species marked with an asterisk may also be treated when container grown. Species not marked with an asterisk should not be treated if container grown.

Common Name	Scientific Name
Bamboo, Heavenly	<i>Nandina domestica</i>
Bottlebrush	<i>Callistemon</i> spp.
Borwood, Japanese	<i>Buxus microphylla</i>
Capeweed, African	<i>Arctotheca calendula</i>
Daisy, Trailing African	<i>Osteospermum fruticosum</i>
Fescue, Blue	<i>Festuca ovina</i>
Freethorn, Scarlet*	<i>Pyracantha coccinea</i>
Gazania	<i>Gazania</i> spp.
Ice plant, Largeleaf	<i>Mesembryanthemum edule</i>
Ice plant, Rosea	<i>Dielsanthemum floribundum</i>
Ice plant, Red Trailing	<i>Lampranthus spectabilis</i>
My. Algerian	<i>Hedera canariensis</i>
My. English	<i>Hedera helix</i>
Juniper	<i>Juniperus</i> spp.
Lily of the Nile*	<i>Agapanthus africanus</i>
Oleander*	<i>Nerium oleander</i>
Olive	<i>Olea europaea</i>
Peppertree, California	<i>Schinus molle</i>
Photina	<i>Photina</i> spp.
Raphideps	<i>Raphidepsis</i> spp.
St. Johnswort	<i>Hypericum</i> spp.

### Precaution

**Ice Plant:** When establishing unrooted ice plant on coarse soils in landscape plantings, use only the 200 pound rate of XL or crop injury may occur. After the ice plant is well established, a second application may be made.

### Broadcast Application Rates

Apply XL prior to the germination of annual weeds. For preemergence control, apply 200-300 pounds XL (4-6 pounds active ingredient) per acre. Use the higher application rate when control of weeds is desired for a longer period, 6-8 months.

For application to small areas, apply the following amounts of XL:

XL Per Acre	XL Per 1000 Sq. Ft.
200 pounds	4 1/2 pounds
300 pounds	7 pounds

### Disclaimer of Warranties

The manufacturer makes no warranties concerning this product or its use, which extend beyond the description on the label. All other warranties, express or implied, including but not limited to, any implied warranties of merchantability and fitness for a particular purpose, are disclaimed. All statements concerning this product apply only when used as directed.

### Limitation of Damages

Elanco's liability, whether in contract, warranty, tort, negligence, strict liability or otherwise, should not exceed the return of the amount of the purchase price of the XL 2G and under no circumstances shall Elanco be liable for special, indirect or consequential damages.

Literature revised March 9, 1987

Elanco Products Company • A Division of Eli Lilly and Company  
Indianapolis, IN 46285, U.S.A.  
PI 3042 AMP

PI 3042 AMP

# XL 2G

Cont

**XL Granular is a selective preemergence herbicide for control of most annual grasses and certain leaf weeds in:**

**Established Warm Season Turf**

- Bahiagrass
- Bermudagrass
- Centipedegrass
- St. Augustinegrass
- Zoysiagrass
- Tall Fescue

**Container Grown Ornamentals**

- Landscape Ornamentals
- Ground Covers

Active Ingredients:

*N*-butyl *N*-ethyl-*N,N*-trifluoro-2,6-dinitro-*p*-toluidine

oryzalin 3,5-dinitro-*N,N*-dipropylsulfanilamide

Inert Ingredients

Contains 1 pound active ingredient per 50 pound bag

XL™—(bifenox plus oryzalin, Elanco)

EPA Reg. No. 1471-148

**Precautionary Statements**  
**Hazards to Humans and Domestic Animals**  
**Keep Out of Reach of Children.**  
**CAUTION**

~~Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust or skin or eyes. Use eye protection and protective clothing such as coveralls, a long-sleeved impermeable glove when handling this product.~~

### Statements of Practical Treatment

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water, vomiting by touching back of throat with finger. Do not induce vomiting or give anything to a conscious person.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If in eyes:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**If inhaled:** If discomfort occurs, remove individual to fresh air. Get medical attention if difficulty occurs.

### Environmental Hazards

~~Do not contaminate any body of water by direct application, cleaning of equipment or practices.~~

### STORAGE AND DISPOSAL

**Storage:** Store in original container only. In case of leak or spill, contain material and waste.

**Pesticide Disposal:** Do not contaminate water, food, or feed by storage or disposal. Pesticide resulting from the use of this product may be disposed of on site or at an approved disposal facility.

**Container Disposal:** Completely empty bag into application equipment. Then empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, burning. If burned, stay out of smoke.

### Directions for Use

#### Read All Directions Carefully Before Applying

XL 2G is a selective preemergence herbicide which is applied to established turfgrasses (excluding greens) and ornamentals for the control of most annual grass and broadleaf weeds. XL 2G works by controlling weeds as the seeds germinate.

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Insert 7

**WARM SEASON TURFGRASS**

**Annual Grasses Controlled by XL 2G**

<b>Summer Annuals</b>	<b>Summer Annuals</b>	<b>Winter Annuals</b>
Barnyardgrass (watergrass)	Goosegrass	Bluegrass, annual
Crabgrasses (Large Crabgrass) (Smooth Crabgrass)	(Silver Crabgrass) Johnsongrass (from seed only)	
Crowfootgrass	Lovegrass, little*	
Foxtails (Bottlegrass) (Bristlegrass) (Giant Foxtail) (Green Foxtail) (Pigeongrass) (Robust Foxtail) (Yellow Foxtail)	Oat, wild* Ryegrass, annual Sandbur, field	

\*Controlled only at ornamental rates.

**Annual Broadleaf Weeds Controlled by XL 2G**

<b>Summer Annuals</b>	<b>Winter Annuals</b>
Carpetweed	Chickweed, common
Knolweed, prostrate	Henbit
Purslane, common	

**Annual Broadleaf Weeds Partially Controlled by XL 2G**

Carrot, wild	Mustard, Indian
Fleabane, dwarf	Spurge, prostrate
Groundsel, common	Woodsorrel, yellow

**General Directions**

**Established Lawns and Golf Courses**

**Rates, Frequency and Timing of Application**

Successful preemergence control of the annual weeds listed on this label requires proper timing of application.

Apply XL 2G prior to the germination of annual weeds. All summer annual weeds do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual weeds listed on this label, weed control results may be erratic or poor. In the absence of timely rainfall, irrigation can be used to move XL 2G into the soil surface.

Any cultural practices that disturb the soil, such as aeration or verticuting, should be done prior to application of XL 2G.

**Application Directions**

XL 2G can be applied in the Spring for summer annual grass and broadleaf weed control, and in the fall for Poa annua and winter annual broadleaf weed control.

**1 Spring germinating summer annual grasses and broadleaf weeds**

For preemergence control, apply 100-150 pounds XL 2G (2-3 pounds active ingredient) per acre in the late winter or early spring prior to the onset of conditions favorable for annual weed grass germination. For control of goosegrass, apply 150 pounds (3 pounds active ingredient) per acre in the late winter or early spring.

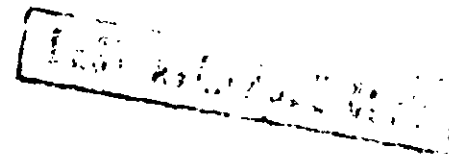
**2 Poa annua (annual bluegrass) and broadleaf winter annuals**

For preemergence control, apply 150 pounds (3 pounds active ingredient) per acre in the late summer or early fall prior to the expected germination of annual bluegrass. Do not apply XL 2G on areas where fall overseeding will occur. In areas of heavy infestation of annual bluegrass, its elimination will temporarily result in thin turfgrass areas. Proper fertilization, irrigation and soil incorporated reseedling will encourage existing desirable turfgrasses and newly planted seedling turfgrasses to fill in these thin areas previously occupied by annual bluegrass.

For application to smaller areas, apply the following amounts of XL Granular

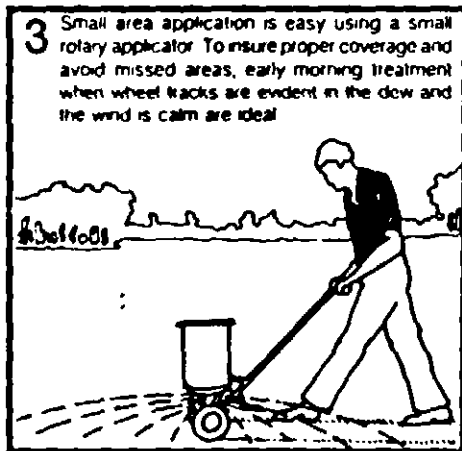
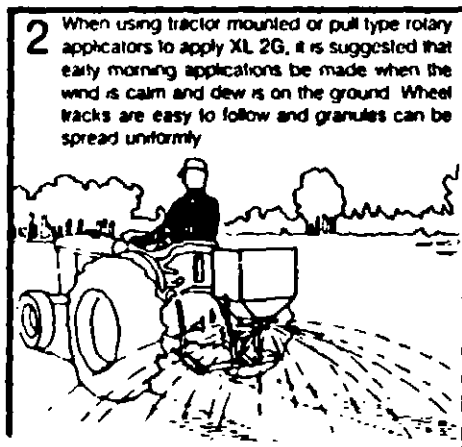
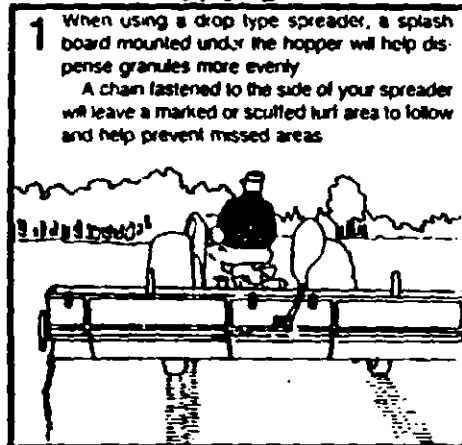
<u>XL per acre</u>	<u>XL per 1000 sq ft</u>
100 pounds	2½ pounds
150 pounds	3½ pounds

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## Helpful Application Techniques For Applying XL 2G



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## Reseeding

Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedlings. Reseeding should be delayed for at least 6 weeks after applying XL. When reseeding, it is essential that proper cultural practices such as soil cultivation, irrigation and fertilization be followed. For satisfactory reseeding results after using XL, the amount of seed used should be increased and equipment designed to place seed in contact with the soil (such as the Rogers Aero Sneider) should be employed. When using XL at the highest recommended rate, reseeding should be delayed 12 to 16 weeks after application.

## Application Equipment

Apply XL Granular evenly over the turfgrass area without skips or misses. A more uniform application can be made by spreading half the required amount over the area and then applying the remaining half at right angles. Both drop type and rotary type spreaders may be used. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. For best results use equipment designed to apply granular herbicides and insecticides. Calibrate applicators prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

**Appropriate Spreader Settings As A Guide For Calibration**  
(for applying XL 2G in one pass over the turf)

**Note:** These settings are provided as suggested starting points in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by Elanco Products Company or the spreader manufacturer.

Spreader Type	Spreader Setting Necessary To Apply Pounds Formulated Product Per Acre	
	100 lbs/A	150 lbs/A
<b>Gandy:</b> Model 10A series, 6, 8, 10, 11, 12, 20 and 30 ft (based on tractor speed of 5 mph)	31	37
Model 10T series, 6, 8, 10, 11, 12, 20, and 30 ft (based on tractor speed of 5 mph)	33	40
Turf Tender, 23, 30, 42 inch (based on tractor speed of 3 mph)	25	28
600 Series, 3, 4, and 5 ft (based on tractor speed of 3 mph)	18	22
<b>Scott:</b> Rotary Model R B	H½	1¼
Drop Spreader	3%	4%
<b>Lesco:</b> Lesco Spreader (Note: set 3rd adjustable hole 1 notch from 'open')	D½	F
<b>Cyclone:</b> Models B1, 33, 96, and BSSB at 200 ft/min	3¼	3½
Model 100 at 200 ft/min	3¼	3½
Model 93 (based on tractor speed of 4 mph)	5	6¼
Model 99 (based on tractor speed of 4 mph)	4¼	5¼-6
Model BPI (based on tractor speed of 4 mph)	4¼	5¼-5½
<b>Spyker:</b> Spyker	32	36
<b>Lely:</b> Model W and H (based on tractor speed of 4.5 mph)	3	4
<b>Vicon:</b> Model 402 (with seed ring) Swath width 20', 5 mph speed	24	28

## Precautions

Apply XL Granular to the turf prior to the germination of weed grasses since XL will not control established weeds. XL Granular may thin established annual bluegrass (*Poa annua*) turfs and fine leaved fescues at rates above 100 pounds per acre (2 pounds active ingredient). XL Granular should not be applied in the spring to turfgrass planted the previous fall. In bermudagrass areas that have been overseeded with winter grasses, a spring application of XL may thin the overseeded grasses. XL Granular should not be used on dichondra. XL Granular should not be applied to newly sprigged areas of bermudagrass, St. Augustinegrass, centipede grass or zoysiagrass until these turfs are well established.

## Ornamentals

XL Granular is a pre-emergence, surface applied herbicide for the control of most annual grasses and certain broadleaf weeds.

## Directions for Use

**Read All Directions Carefully Before Applying**

### General Use Precautions

Apply only to established plantings. Rooted liners should be established in containers two weeks prior to treatment or crop injury may occur.

On container grown ornamentals, where weed seed germination continues for extended periods of time, subsequent applications of XL should not be made any sooner than 90 days after application or crop injury may occur.

Do not apply XL in ornamental plantings where the likelihood of runoff onto lawn areas containing dichondra or cool season turfgrass species exist as severe injury or death may occur. Poor weed control may result if directions are not followed. Overapplication may result in crop injury or excessive soil residue.

Do not use on turf type tall fescue in spring and summer following fall seeding.

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Plant only ornamental species listed on this label into soil treated the previous season with XL or injury may occur.

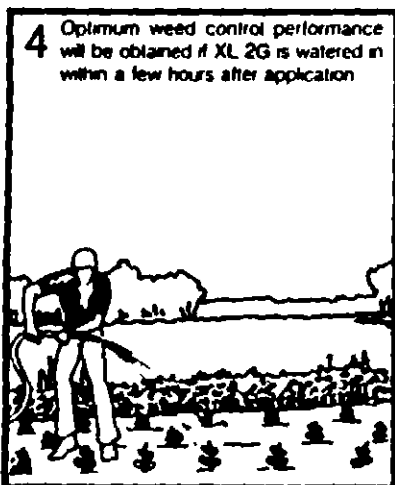
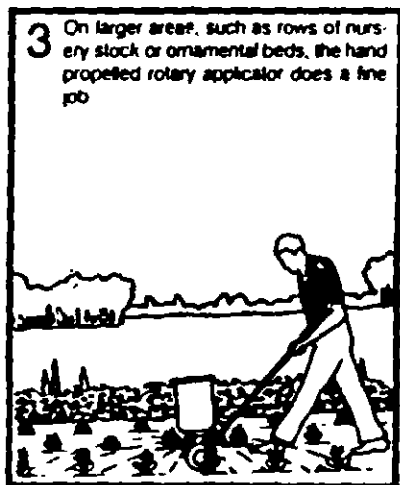
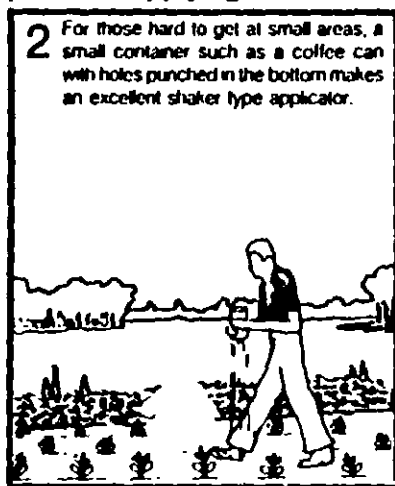
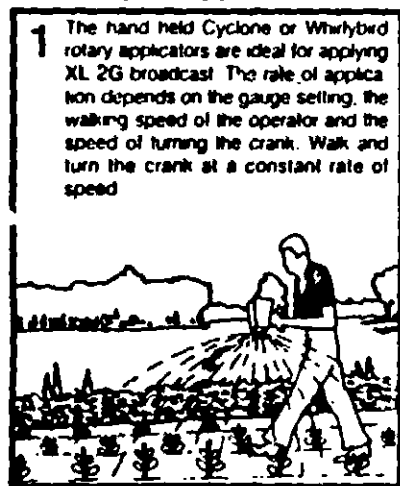
### Soil Preparation

XL will not control established weeds. Areas to be treated should be free of established weeds or controlled with postemergence herbicides. Weed residues, prunings and trash should be thoroughly mixed into the soil or removed prior to treatment. The soil should be in good tilth and free of clods at the time of application.

### Application Equipment

Apply XL evenly over the area. A more uniform application can be made by spreading half the required amount over the area and then applying the remaining half at right angles. Both drop type and rotary type spreaders may be used. Avoid the use of spreaders which may apply the material in narrow concentrated bands. For best results use equipment designed to apply granular herbicides and insecticides. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

### Helpful Application Techniques For Applying XL 2G



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Causes eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust and contact with skin, eyes, or clothing. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt, shoes, and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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INSERT 2

If not breathing, provide cardiopulmonary resuscitation assistance (mouth-to-mouth) and call a physician.



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INSERT 3

Do not apply directly to water or wetlands. Do not contaminate water by cleaning equipment or disposal of wastes.

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INSERT 4

Grasses Controlled by XL

Common Name

Barley, little  
Barnyardgrass  
    (Watergrass)  
Bluegrass, annual  
Brachiaria (Signalgrass)  
Crabgrasses  
    (Large crabgrass)  
    (Smooth crabgrass)  
Crowfootgrass  
Cupgrass, southwestern  
Foxtails  
    (Bottlegrass)  
    (Bristlegrass)  
    (Giant foxtail)  
    (Green foxtail)  
    (Pigeongrass)  
    (Robust foxtail)  
    (Yellow foxtail)  
Goosegrass  
    (Silver crabgrass)  
Johnsongrass  
    (Seedling only)  
Junglerice  
Lovegrass, Mexican  
Lovegrass, orcutt  
Oat, wild  
Panicum, browntop  
Panicum, fall  
    (Spreading panicgrass)  
Panicum, Texas  
    Buffalograss  
    Coloradograss  
Ryegrass, Italian  
Sanbur, field  
Sprangletop, red  
Witchgrass

Scientific Name

Hordeum pusillum  
Echinochloa crus-galii  
  
Poa annua  
Brachiaria spp.  
Digitaria spp.  
  
Dactyloctenium aegyptium  
Eriochloa gracilis  
Setaria spp.  
  
Eleusine indica  
  
Sorghum halepense  
  
Echinochloa colonum  
Eragrostis mexicana  
Eragrostis orcuttiana  
Avena fatua  
Panicum fasciculatum  
Panicum dichotomiflorum  
  
Panicum texanum  
  
Lolium multiflorum  
Cenchrus incertus  
Leptochloa filiformis  
Panicum capillare

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INSERT 4

Broadleaf Weeds Controlled by XL

Common Name

Scientific Name

Bittercress  
Carpetweed  
Chickweed, common  
Fiddleneck, coast  
Filaree, redstem  
Filaree, whitestem  
Groundsel, common  
Henbit  
Knotweed, prostrate  
Lambsquarters  
Pigweeds  
    (Carelessweed)  
    (Prostrate pigweed)  
    (Redroot)  
    (Rough pigweed)  
    (Spring pigweed)  
    (Tumble pigweed)  
Puncturevine  
Purslane, common  
Pusley, Florida  
    (Florida purslane)  
    (Mexican clover)  
    (Pusley)  
Rocket, London  
Rockpurslane, desert  
Shepherdspurse  
Spurge, prostrate  
Woodsorrel, yellow

Cardamine spp.  
Mollugo verticillata  
Stellaria media  
Amsinckia intermedia  
Erodium cicutarium  
Erodium moschatum  
Senecio vulgaris  
Lamium amplexicaule  
Polygonum aviculare  
Chenopodium album  
Anaranthus spp.

Tribulus terrestris  
Portulaca oleracea  
Richardia scabra

Sisymbrium irio  
Calandrinia ciliata  
Capsella bursa-pastoris  
Euphorbia humistrata  
Oxalis stricta

Suppression of the following weeds may be erratic, ranging from poor to excellent, depending upon soil temperature, time of germination, depth of seed in the soil, amount and timing of soil moisture:

annual sowthistle  
black mustard  
black nighshade  
climbing milkweed  
common mallow  
common ragweed  
horseweed  
ladysthumb

morningglory  
prickly lettuce  
smartweed  
spotted spurge  
teaweed (prickly sida)  
velvetleaf  
volunteer wheat  
wild mustard

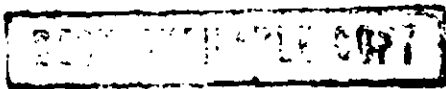
XL will not control established weeds.

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~~Species not marked with an asterisk should not be treated if container grown~~

	Common Name	Scientific Name	Common Name	Scientific Name
			Cotoneaster, Rock*	<i>Cotoneaster horizontalis</i>
			Cotoneaster, Rockspray	<i>Cotoneaster ruscifolius</i>
			<del>Galearia, Dwarf</del>	<i>Baccharis pilularis</i>
			Crapemyrtle, Common*	<i>Lagerstroemia indica</i>
			Cryptomeria, Japanese*	<i>Cryptomeria japonica</i>
			Cypress, Italian*	<i>Cupressus sempervirens</i>
			Daisy, Trailing African	<i>Osteospermum fruticosum</i>
			Douglasfir	<i>Pseudotsuga taxifolia</i>
			Eastercactus*	<i>Sclerochloa gaertneri</i>
			Escallonia*	<i>Escallonia laevis</i>
			Eucalyptus, Mealy Stringybark	<i>Eucalyptus cinerea</i>
			Eucalyptus, Red <del>Myrtle</del> , Ironbark	<i>Eucalyptus sideroxylon</i>
			Eucalyptus, Narrow-Leaved	<i>Eucalyptus nicholii</i>
			Euonymus*	<i>Euonymus fortunei</i>
			<del>Euonymus, Evergreen*</del>	<del>"fortunei"</del>
			<del>Euonymus, Winged</del>	<del><i>Euonymus japonicus</i></del>
			Falsecypress, Lawson	<i>Chamaecyparis lawsoniana</i>
			Fatshedera*	<i>Fatshedera lizei</i>
			Fir, Alpine	<i>Abies lasiocarpa</i>
			Fir, Balsam	<i>Abies balsamea</i>
			Fir, Fraser	<i>Abies fraseri</i>
			Fir, Grand	<i>Abies grandis</i>
			Fir, Veitch	<i>Abies veitchii</i>
			Fir, White <del>Fir</del>	<i>Abies concolor</i>
				<i>Dimorphotheca</i> spp.
				<i>buxifolius</i>
				<i>apiculatus</i>
Andromeda, Japanese*	Abelia, Glossy	<i>Abelia grandiflora</i>		
; crabapple	Apple <del>Malus</del>	<i>Malus</i> spp.		
	Arborvitae, Giant	<i>Thuja plicata</i>		
	Arborvitae, Oriental*	<i>Thuja orientalis</i>		
	Azalea	<i>Rhododendron</i> spp.		
Bamboo, Heavenly				
	Barberry, Japanese*	<i>Berberis thunbergii</i>		
	Bird-of-Paradise	<i>Strelitzia reginae</i>		
	Bottlebrush, Lemon*	<i>Callistemon citrinus</i>		
	Boxwood, Common*	<i>Buxus sempervirens</i>		
Littleleaf	Boxwood, Japanese*	<i>Buxus microphylla</i>		
	Brushcherry*	<i>Syzygium paniculata</i>		
	California laurel	<i>Umbellularia californica</i>		
	<del>Capemangold</del>	<del><i>Opuntia japonica</i></del>		
	Cherry, Mahaleb	<i>Prunus mahaleb</i>		
Sweet	Cherry, <del>Prunus</del>	<i>Prunus avium</i>		
	Chrysanthemum, Florists	<i>Chrysanthemum morifolium</i>		
Parney*	Cleyera, Japanese	<i>Cleyera japonica</i>		
	Cotoneaster*	<i>Cotoneaster lacteus</i>		
	Cotoneaster, Bearberry*	<i>Cotoneaster dammeri</i>		
	Cotoneaster, Brightbead	<i>Cotoneaster glaberrimus</i>		
	Cotoneaster, Cranberry*	<i>Cotoneaster apiculatus</i>		
	Cotoneaster, Pyrenees	<i>Cotoneaster congestus</i>		
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Capeweed, African		<i>Arctotheca calendula</i>		

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INSERT 5 (Continued)

Gardenia jasminoides

Nandina domestica

Carpobrutus edulis

Impatiens wallerana

Common Name	Scientific Name
Firethorn*	<i>Pyracantha fortuneana</i>
Firethorn, Formosa*	<i>Pyracantha koizumi</i>
Firethorn, Scarlet*	<i>Pyracantha coccinea</i>
Forsythia, Border	<i>Forsythia intermedia</i>
Gazania, Treasureflower	<i>Gazania rigens</i>
Geranium	<i>Pelargonium hortorum</i>
Ginkgo*	<i>Ginkgo biloba</i>
Gladiolus	<i>Gladiolus hortulanus</i>
Goldenrain Tree	<i>Koelreuteria paniculata</i>

Gardenia

Heavenly bamboo

Hibiscus, Chinese	<i>Hibiscus rosa-sinensis</i>
Holly, Chinese*	<i>Ilex cornuta</i>
Holly, <del>Common</del> Japanese*	<i>Ilex crenata</i> var. " <del>Common</del> "
Holly, English	<i>Ilex aquifolium</i>
<del>Holly, Howard Japanese*</del>	<del><i>Nerium oleander</i></del>
Honeysuckle, Japanese	<i>Lonicera japonica</i>
Hopseedbush, Clammy	<i>Dodonaea viscosa</i>
Ice Plant	<i>Mesembryanthemum crystallinum</i>

(see precautions)

(see precautions)

Impatiens

Ice Plant, Largeleaf	<del><i>Mesembryanthemum crystallinum</i></del>
Ivy, Algerian	<i>Hedera canariensis</i>
Ivy, English	<i>Hedera helix</i>
Jerseytea (redroot)*	<i>Ceanothus americanus</i>
<del>Juniper, Andromeda</del>	<del><i>Juniperus chinensis</i></del>
* Juniper, Chinese*	<i>Juniperus chinensis</i> spp.
<del>Juniper, <del>Common</del> <del>Japanese</del></del>	<del><i>Juniperus chinensis</i></del>

Ice Plant (see precautions) Red Trailing --- *Lampranthus spectabilis*

Ice Plant (see precautions) Rosea --- *Drosanthemum floribundum*

Common Name	Scientific Name
<del>Juniper, Greek*</del>	<del><i>Juniperus excelsa</i></del>
<del>Juniper, Japanese Garden</del>	<del><i>Juniperus procumbens</i></del>
<del>Juniper, Rocky Mountain*</del>	<del><i>Juniperus scopulorum</i></del>
<del>Juniper, Savia*</del>	<del><i>Juniperus sibirica</i></del>
<del>Juniper, Shero*</del>	<del><i>Juniperus conferta</i></del>
<del>Juniper, Wilson Chinese*</del>	<del><i>Juniperus chinensis</i> var.</del>

Laurel, Mountain "Wilsonii" --- *Kalmia latifolia*

Laurelcherry, Carolina	<i>Prunus caroliniana</i>
Laurelcherry, English	<i>Prunus laurocerasus</i>
Leucothoe, Coast	<i>Leucothoe axillaris</i>
Leucothoe, Drooping	<i>Leucothoe scabra</i> --- fontanesiana
Lilac, Common*	<i>Syringa vulgaris</i>
Lily-of-the-Nile*	<i>Agapanthus africanus</i>
Lilyturf, Bigblue*	<i>Liriope muscari</i>
Magnolia, Southern	<i>Magnolia grandiflora</i>
Manzanita, Stanford	<i>Arctostaphylos stanfordiana</i>
Maple, <del>English</del>	<i>Acer grandidentatum</i> spp.
Marigold, <del>French</del>	<i>Tagetes patula</i> --- spp.
Mockorange*	<i>Philadelphus</i> spp.
<del>Mountainrose</del>	<del><i>Rubus</i></del>
Myoporum, Prostrate	<i>Myoporum parvifolium</i>
Myrtle*	<i>Myrtus communis</i>
Nandina*	<i>Nandina domestica</i>
Oak, <del>Intero-Liver</del>	<i>Quercus wislizeni</i> --- spp.
Oleander*	<i>Nerium oleander</i>
Oregongrape	<i>Mahonia aquifolium</i>
Osmanthus, Holly	<i>Osmanthus <del>holleyana</del></i> --- heterophyllus

10 Olive --- *Olea europae*

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INSERT 5 (Continued)

Peppertree, California  
Schinus molle

dwarf

Common Name	Scientific Name	Common Name	Scientific Name
Pansy, Garden	<i>Viola tricolor</i> ---wittrockiana	Redwood, Coast	<i>Sequoia sempervirens</i>
Pear, Bartlett	<i>Pyrus communis</i>	Rhododendron*	<i>Rhododendron</i> spp.
Pelargonium, Sprinter Red	<i>Pelargonium hortorum</i>		
Periwinkle, Bigleaf	<i>Vinca major</i>		
Periwinkle, <del>Common</del>	<i>Vinca minor</i>		
Petunia	<i>Petunia grandiflora</i> ---spp.		
<del>Rose, Japanese*</del>	<del><i>Rosa blanda</i></del>	Rose	<i>Rosa</i> spp.
Photinia*	<i>Photinia laevis</i> ---fraseri	Rose, Bellini*	<del><i>Rosa blanda</i></del>
<del>Rose, Japanese*</del>	<del><i>Rosa japonica</i></del>	<del>Rose, Bellini*</del>	<del><i>Rosa blanda</i></del>
Pine, Austrian	<i>Pinus nigra</i> ---spp.	Rose-of-Sharon (Shrubalthea)	<i>Hibiscus syriacus</i>
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	Shrimp Plant*	<del><i>Justicia brandegeana</i></del> --- <i>Justicia brandegeana</i>
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	<del>Rose, Japanese*</del>	
Pine, Coulter	<i>Pinus coulteri</i>	Spruce, Black	<i>Picea mariana</i>
Pine, Eastern White	<i>Pinus strobus</i>	Spruce, Colorado*	<i>Picea pungens</i>
<del>Pine, Japanese*</del>	<del><i>Pinus strobus</i></del>		
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	Spruce, Englemann	<i>Picea engelmannii</i>
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	Spruce, Norway	<i>Picea abies</i>
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	Spruce, White	<i>Picea glauca</i>
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	Star Jasmine, Chinese	<i>Trachelospermum jasminoides</i>
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	Stonecrop	<i>Sedum brevifolium</i>
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	Sweetgum*	<i>Liquidambar styraciflua</i>
<del>Rose, Japanese*</del>	<del><i>Pinus strobus</i></del>	Trumpetvine, Violet*	<i>Clytostoma callistegioides</i>
Privet, Amur*	<i>Ligustrum amurense</i>	Viburnum, <del>American*</del>	<i>Viburnum tinus</i>
Privet, Glossy*	<i>Ligustrum lucidum</i>	Viburnum, Sandankwa	<i>Viburnum suspensum</i>
Privet, Golden*	<i>Ligustrum vicaryi</i>	Weigela, Oldfashioned	<i>Weigela florida</i>
Privet, Japanese*	<i>Ligustrum japonicum</i>	Wintercreeper*	<i>Euonymus fortunei</i>
Raphiolepis, India	<i>Raphiolepis indica</i>		
Redcedar, Eastern	<i>Juniperus virginiana</i>		
20			
Redcedar, Western	<i>Thuja plicata</i>		
		Laurustinus*	

St. Johnswort ---  
Hypericum spp.

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Precautions

XL will not control established weeds.

In the spring, do not apply to tulip plants that have emerged to a height greater than three-fourths inch (3/4"). Deep plow prior to planting any crop after this use.

Read the XL label for additional directions, cautions, and limitations before use.

Directions for Use - Dosages, Frequency, and Timing of Applications

XL is a preemergence herbicide which may be applied for control of annual weeds in ornamental bulbs: Bulbous iris, narcissus, and tulip.

Apply XL to the soil surface in the fall two (2) to four (4) weeks after planting and final hilling but prior to the emergence of annual weeds.

Apply XL again in late winter or early spring to weed-free soil surfaces.

Broadcast XL 2G at the following dosages:

Soil Texture	Time of Application	Amount per Acre	Amount per 1000 Square Feet
Coarse	Fall	75 pounds	1.75 pounds
Medium & Fine	Fall	150 pounds	3.5 pounds
All	Feb. - March	75 pounds	1.75 pounds

DHL XL 2G INSERTS  
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INSERT 7

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Elanco Products Company makes no warranties concerning this product or its use, which extend beyond the description on the label. All other warranties, express or implied, including but not limited to, any implied warranties of merchantability and fitness for a particular purpose, are disclaimed. All statements concerning this product apply only when used as directed. This disclaimer of warranties does not apply where prohibited by law.

Limitation of Damages

The liability of Elanco Products Company whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the return of the amount of the purchase price of the XL 2G and under no circumstances shall Elanco be liable for special, indirect or consequential damages. This limitation of damages does not apply where prohibited by law.