

# XL 2G

**GROUP 3 HERBICIDE**

Contains oryzalin, the active ingredient in Surflan® herbicides.

*A selective preemergence herbicide for control of certain annual grasses and broadleaf weeds in:*

- Container grown ornamentals
- Landscape ornamentals
- Nursery stock
- Ground covers
- Established flowers
- Ornamental bulbs
- Non-bearing berries
- Christmas tree plantations
- Non-cropland
- Non-bearing fruit and nut trees and non-bearing vineyards
- Established tall fescue and warm season turf (including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass, and zoysiagrass)

**ACTIVE INGREDIENTS:**

benifin: <i>N</i> -butyl- <i>N</i> -ethyl- <i>a,a,a</i> -trifluoro-2,6-dinitro- <i>p</i> -toluidine	1.0%
oryzalin: 3,5-dinitro- <i>N</i> <sup>4</sup> , <i>N</i> <sup>4</sup> -dipropylsulfanilamide	1.0%

<b>OTHER INGREDIENTS</b>	98.0%
<b>TOTAL</b>	100.0%

Contains 1 pound active ingredient per 50 pound bag.

## 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 the label, find someone to explain it to you in detail.)

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to the label booklet under "Agricultural Use Requirements" in the "Directions for Use" section for information about this standard.

Refer to back panel of bag for additional precautionary information including Personal Protective Equipment (PPE). Refer to label booklet in pocket of bag for Directions for Use including Storage and Disposal.

**Notice: Read the entire label. Use only according to label directions. Before using this product, read the Conditions of Sale and Limitation of Warranty and Liability at end of label booklet. If terms are unacceptable, return at once unopened.**

For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

AD 022610

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

**Specialty Herbicide**

EPA Reg. No. 70506-45-38167

EPA Est. No. 5905-IA-001

**NET WEIGHT: 50 Lbs. (22.68 kg)**

MANUFACTURED FOR  
**SETRE CHEMICAL COMPANY**  
 225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017

**OPM #110352**



# XL 2G

**GROUP 3 HERBICIDE**

**Contains oryzalin, the active ingredient in Surflan® herbicides.**

**A selective preemergence herbicide for control of certain annual grasses and broadleaf weeds in:**

- Container grown ornamentals
- Landscape ornamentals
- Nursery stock
- Ground covers
- Established flowers
- Ornamental bulbs
- Non-bearing berries
- Christmas tree plantations
- Non-cropland
- Non-bearing fruit and nut trees and non-bearing vineyards
- Established tall fescue and warm season turf (including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass, and zoysiagrass)

**ACTIVE INGREDIENTS:**

benefin: <i>N</i> -butyl- <i>N</i> -ethyl- <i>a,a,a</i> -trifluoro-2,6-dinitro- <i>p</i> -toluidine	1.0%
oryzalin: 3,5-dinitro- <i>N</i> <sup>4</sup> , <i>N</i> <sup>4</sup> -dipropylsulfanilamide	1.0%

**OTHER INGREDIENTS** ..... 98.0%

**TOTAL** ..... 100.0%

Contains 1 pound active ingredient per 50 pound bag.

## 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 the label, find someone to explain it to you in detail.)

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to the label booklet under "Agricultural Use Requirements" in the "Directions for Use" section for information about this standard.

Refer to back panel of bag for additional precautionary information including Personal Protective Equipment (PPE). Refer to label booklet in pocket of bag for Directions for Use including Storage and Disposal.

**Notice: Read the entire label. Use only according to label directions. Before using this product, read the Conditions of Sale and Limitation of Warranty and Liability at end of label booklet. If terms are unacceptable, return at once unopened.**

For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

AD 022610

**Specialty Herbicide**

EPA Reg. No. 70506-45-38167

EPA Est. No. 5905-1A-001

**NET WEIGHT: 50 Lbs. (22.68 kg)**

**MANUFACTURED FOR  
SETRE CHEMICAL COMPANY  
225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017**



## TABLE OF CONTENTS

	<b>Page</b>
Precautionary Statements . . . . .	3
First Aid . . . . .	3
Hazards to Humans and Domestic Animals . . . . .	3
Personal Protective Equipment . . . . .	3
Use Safety Recommendations . . . . .	3
Environmental Hazards . . . . .	3
Directions for Use . . . . .	3
Agricultural Use Requirements . . . . .	4
Non-Agricultural Use Requirements . . . . .	4
Storage and Disposal . . . . .	4
General Information . . . . .	4
General Use Precautions . . . . .	5
Application Directions . . . . .	5
Application Techniques for Applying XL 2G . . . . .	5
Approved Uses . . . . .	5
Container Grown Ornamentals, Landscape Ornamentals, Nursery Stock, Ground Covers, Established Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees and Non-bearing Vineyards, Non-bearing Berries, Christmas Tree Plantations, and Non-cropland . . . . .	5
Special Use Precautions . . . . .	6
Weeds Controlled or Suppressed by XL 2G . . . . .	7
Ornamental Plant Species . . . . .	8
Trees . . . . .	8
Ornamental Shrubs . . . . .	10
Ground Covers . . . . .	15
Established Flowers . . . . .	16
Ornamental Bulbs . . . . .	18
Special Use Precautions . . . . .	18
Non-bearing Fruit and Nut Trees and Non-bearing Vineyards . . . . .	17
Non-bearing Berries . . . . .	18
Christmas Tree Plantations . . . . .	18
Non-cropland Areas . . . . .	19
Warm Season Turfgrasses . . . . .	19
Special Use Precautions . . . . .	19
Weeds Controlled or Suppressed by XL 2G . . . . .	20
Application Rates, Frequency and Timing of Applications . . . . .	21
Application Directions . . . . .	21
Reseeding . . . . .	22
Spreader Settings . . . . .	22
Conditions Of Sale And Limitations Of Warranty And Liability . . . . .	23



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators, loaders and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**FIRST AID**

**If in eyes:** 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call the Rocky Mountain Poison Control Center at 1-866-673-6671.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons or pets, 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.





### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours. **Exception:** If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

### 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.

**Entry Restrictions for Non-WPS Uses:** Do not enter or allow other people or pets to enter the treated area until dusts have settled. If watering-in is required after the application, except for those people involved in the watering-in, do not enter or allow other people or pets to enter the treated areas until the watering-in is complete and the surface is dry.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

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

**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:** Nonrefillable container. 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 sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### GENERAL INFORMATION

**XL 2G** herbicide is a preemergence herbicide for control of certain annual grasses and broadleaf weeds in container and landscape ornamentals, nursery stock, ground covers, established tall fescue and warm season turf, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards, non-bearing berries, Christmas tree plantations, non-cropland and established tall fescue and warm season turf (including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass, and zoysiagrass). Apply **XL 2G** prior to germination of target weeds or immediately after cultivation. Length of weed control will vary with rate of **XL 2G** applied, weed population, potting media or soil conditions, temperature, watering regime, and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed.





## GENERAL USE PRECAUTIONS AND RESTRICTIONS

### Do not aerially apply this product.

Do not graze or feed forage from treated areas to livestock.

Landscape and field grown ornamentals: maximum number of applications per year is 2.

Ornamental bulbs: for fall application to coarse soils – maximum number of applications per year is 2.

Ornamental bulbs: applications February through March, all soils – maximum number of applications per year is 3.

Christmas tree plantations: maximum number of applications per year is 2.

Noncrop areas: maximum number of applications per year is 2.

**XL 2G** does not control established weeds. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings and trash should be removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. When applied to turf, this product must be watered in as soon as possible after application to dissolve the granules. A single rainfall or irrigation of 1/2 inch or more is required after product application.

For other applications, a single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation is required to activate **XL 2G**. If rainfall or irrigation has not occurred within 21 days of application and tillage is possible, **XL 2G** may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate **XL 2G** may result in erratic weed control. Do not apply when wind conditions favor drift of **XL 2G** granules from the target area.

Users who wish to use **XL 2G** on plant species not recommended on this label may determine the suitability for such uses by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. **The user assumes responsibility for any plant damage or other liability resulting from use of XL 2G on plant species not recommended on this label.**

## APPLICATION DIRECTIONS

Apply **XL 2G** using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or crop injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

### Application Techniques for Applying XL 2G

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas or rows of nursery stock or ornamental beds, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is recommended. For hand-held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, difficult-to-treat areas. Carefully measure the amount of product needed to avoid over-application.

### Approved Uses

**Established† Container Grown Ornamentals, Established Tall Fescue and Warm Season Turfgrasses, Landscape Ornamentals, Nursery Stock, Ground Covers, Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees and Non-bearing Vineyards, Non-bearing Berries, Christmas Tree Plantations, and Non-cropland**

**XL 2G** is recommended as a preemergence treatment for control of certain annual grasses and broadleaf weeds in container grown ornamentals,



landscape ornamentals, nursery stock, ground covers, established tall fescue, warm season turfgrasses, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards, non-bearing berries, Christmas tree plantations, and non-cropland. Apply **XL 2G** prior to germination of target weeds, or immediately after cultivation.

**Broadcast Application Rates:**

Labeled Use Site	XL 2G		Minimum Time Between Applications	Total Amount Allowed Per Year
	(lb/acre)	(lb/1,000 sq ft)	(months)	(lb/acre)
<ul style="list-style-type: none"> <li>• Landscape Ornamentals</li> <li>• Field-grown and container-grown ornamentals</li> </ul>	200	4.6	2	400
	300	6.9	4	600

**Note:** Refer to the "General Information" section of this label for general use precautions and information on application.

**Special Use Precautions**

To avoid possible plant injury, **do not apply XL 2G to:**

- plants or areas in greenhouses or other enclosed structures.
- plants that will bear fruits, berries or nuts within 12 months of application.
- nursery seedbeds or forest or Christmas tree seedling transplant beds.
- unrooted liners or cuttings that have been planted in pots for the first time.
- pots less than four inches wide.
- ground covers until they are established and well rooted.
- ornamental plantings where the likelihood of runoff onto lawn areas containing dichondra or cool season turfgrass species exists.
- Do not apply **XL 2G** to the following plant species or injury may occur:
  - Begonia* spp. (begonia)
  - Coleus hybridus* (coleus)
  - Deutzia gracilis* (slender deutzia)
  - Pseudotsuga menziesii* (Douglas-fir)
  - Thuja occidentalis* 'Techny' (Techny arborvitae)
  - Tsuga canadensis* (eastern hemlock)

**Ice Plant:** When establishing unrooted ice plant (*Mesembryanthemum crystallinum* and *Carpobrotus edulis*) on coarse soils, do not exceed the 200 lb/acre rate of **XL 2G** or crop injury may occur. After the ice plant is well established, a second application may be made.

**†Definition of established plantings:** Apply only to established plantings. Established plants are defined as those that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation. Do not apply to seedbeds or seedling transplant beds.

**Unlisted plant species:** Users who wish to use **XL 2G** on plant species not recommended on this label may determine the suitability for such uses by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. **The user assumes responsibility for any plant damage or other liability resulting from use of XL 2G on plant species not recommended on this label.**



## WEEDS CONTROLLED OR SUPPRESSED BY XL 2G

Weeds controlled when XL 2G is applied at a rate of 200 to 300 pounds per acre (4.6 to 6.9 pounds per 1,000 sq ft).

### ANNUAL GRASSES:

#### Common Name

barley, little  
barnyardgrass  
bluegrass, annual  
crabgrass  
crowfootgrass  
cupgrass, southwestern  
foxtail  
goosegrass  
johnsongrass (seedling only)  
junglerice  
lovegrass, Mexican

#### Scientific Name

*Hordeum pusillum*  
*Echinochloa crus-galli*  
*Poa annua*  
*Digitaria* spp.  
*Dactyloctenium aegyptium*  
*Eriochloa gracilis*  
*Setaria* spp.  
*Eleusine indica*  
*Sorghum halepense*  
*Echinochloa colonum*  
*Eragrostis mexicana*

#### Common Name

lovegrass, orcutt  
oat, wild  
panicum, browntop  
panicum, fall  
panicum, Texas  
ryegrass, Italian  
sandbur, field  
signalgrass  
sprangletop, red  
witchgrass

#### Scientific Name

*Eragrostis orcuttiana*  
*Avena fatua*  
*Panicum fasciculatum*  
*Panicum dichotomiflorum*  
*Panicum texanum*  
*Lolium multiflorum*  
*Cenchrus incertus*  
*Brachiaria* spp.  
*Leptochloa filiformis*  
*Panicum capillare*

### BROADLEAF WEEDS:

#### Common Name

bittercress  
carpetweed  
chickweed, common  
fiddleneck, coast  
filaree, redstem  
filaree, whitestem  
groundsel, common  
henbit  
knotweed, prostrate  
lambsquarters, common

#### Scientific Name

*Cardamine oligosperma*  
*Mollugo verticillata*  
*Stellaria media*  
*Amsinckia intermedia*  
*Erodium cicutarium*  
*Erodium moschatum*  
*Senecio vulgaris*  
*Lamium amplexicaule*  
*Polygonum aviculare*  
*Chenopodium album*

pigweed  
puncturevine  
purslane, common  
pusley, Florida  
rocket, London  
rockpurslane, desert  
shepherdspurse  
spurge, prostrate  
woodsorrel, yellow

*Amaranthus* spp.  
*Tribulus terrestris*  
*Portulaca oleracea*  
*Richardia scabra*  
*Sisymbrium irio*  
*Calandrinia ciliata*  
*Capsella bursa-pastoris*  
*Euphorbia humistrata*  
*Oxalis stricta*

In addition to the weeds controlled, the following weeds will be partially controlled or suppressed at 200 to 300 pounds per acre (4.6 to 6.9 pounds per 1,000 sq ft).

#### Common Name

horseweed  
ladysthumb  
lettuce, prickly  
mallow, common  
milkweed, climbing  
morningglory  
mustard, black  
mustard, wild

#### Scientific Name

*Conyza canadensis*  
*Polygonum persicaria*  
*Lactuca serriola*  
*Malva neglecta*  
*Sarcostemma cynanchoides*  
*Ipomoea* spp.  
*Brassica nigra*  
*Brassica kaber*

#### Common Name

nightshade, black  
ragweed, common  
smartweed  
sowthistle, annual  
spurge, spotted  
teaweed (prickly sida)  
velvetleaf  
wheat, volunteer

#### Scientific Name

*Solanum nigrum*  
*Ambrosia artemisiifolia*  
*Polygonum pensylvanicum*  
*Sonchus oleraceus*  
*Euphorbia maculata*  
*Sida spinosa*  
*Abutilon theophrasti*  
*Triticum* spp.





**XL 2G May Be Used On The Following Established Plant Species:**  
(Note limitations on recommended treatment methods.)

**TREES**

<u>Scientific Name</u>	<u>Common Name</u>	<u>Recommended Treatment Method:</u> <b>C = Container Grown</b> <b>F = Field Grown</b>
<i>Abies balsamea</i>	Balsam fir	F
<i>Abies concolor</i>	White fir	F
<i>Abies fraseri</i>	Fraser fir	F
<i>Abies grandis</i>	Grand fir	F
<i>Abies lasiocarpa</i>	Alpine fir	F
<i>Abies veitchi</i>	Veitch fir	F
<i>Abutilon hybridum</i>	Albus flowering maple	F
	Luteus flowering maple	F
	Roseus flowering maple	F
	Tangerine flowering maple	F
	Vesuvius red flowering maple	F
	maple	F
<i>Acer spp.</i>	Queen palm	F
<i>Arecastrum romanzoffianum</i>	Paper birch	F
<i>Betula papyrifera</i>	River birch	F
<i>Betula nigra</i>	White birch	F
<i>Betula pendula</i>	Black olive	F
<i>Bucida buceras</i>	Carob	F
<i>Ceratonia siliqua</i>	Blue palo verde	F
<i>Cercidium floridum</i>	Redbud	C,F
<i>Cercis canadensis</i>	Lawson falsecypress	F
<i>Chamaecyparis lawsoniana</i>	Fillicoides-fernspray cypress	F
<i>Chamaecyparis obtusa</i> spp.	Gracilis-slender Hinoki cypress	F
	Sawara-false cypress	F
<i>Chamaecyparis pisifera</i>	Squarrosa-moss cypress	F
	Cat palm	F
<i>Chamaedorea cataractarum</i>	Palm	F
<i>Chamaedorea costaricana</i>	Parlor palm	F
<i>Chamaedorea elegans</i>	Flowering dogwood	F
<i>Cornus florida</i>	Carrot wood	F
<i>Crupaniopsis anacardioides</i>	Japanese cryptomeria	C,F
<i>Cryptomeria japonica</i>	Arizona cypress	C,F
<i>Cupressus glabra</i>	Italian cypress	C,F
<i>Cupressus sempervirens</i>		

**TREES (cont.)****Scientific Name**

*Elaeagnus angustifolia*  
*Eucalyptus cinerea*

*Eucalyptus camaldulensis*

*Eucalyptus nicholii*

*Eucalyptus sideroxylon*

*Ficus benjamina*

*Fraxinus* spp.

*Ginkgo biloba*

*Gleditsia triacanthos*

*Heteromeles arbutiflora*

*Juniperus virginiana*

*Kalmia latifolia*

*Koelreuteria paniculata*

*Liquidambar styraciflua*

*Magnolia grandiflora*

*Malus* spp.

*Morus alba*

*Olea euripaea*

*Picea abies*

*Picea engelmanni*

*Picea glauca*

*Picea mariana*

*Picea pungens* spp.

*Pinus* spp.

*Platanus occidentalis*

*Platanus racemosa*

*Podocarpus* spp.

*Populus deltoides*

*Prunus caroliniana*

*Prunus laurocerasus*

*Prunus mahaleb*

*Prunus yedoensis*

**Common Name**

Russian olive

Mealy eucalyptus

Silver dollar eucalyptus

Red gum eucalyptus

Narrow-leaved eucalyptus

Red ironbark eucalyptus

Ficus

Ash

Maidenhair tree

Honey locust

Toyon

Eastern redcedar

Mountain laurel

goldenrain tree

American sweet gum

Southern magnolia

Crabapple

White mulberry

Olive

Norway spruce

Engelmann spruce

Conica-dwarf Alberta spruce

White spruce

Black spruce

Glauca-Colorado blue spruce

Hoopsii-Hoop's blue spruce

Koster-Koster blue spruce

Pine

American sycamore

California sycamore

Podocarpus

Cottonwood

Carolina laurelcherry

English laurelcherry

Mahaleb cherry

Yoshino flowering cherry

**Recommended Treatment Method:**

**C = Container Grown**

**F = Field Grown**

C,F

F

F

F

F

F

F

F

C,F

F

F

F

F

F

C,F

F

F

F

F

F

F

F

F

F

F

F

C,F

F

F

F

F

F

F

F

F

F

**TREES (cont.)****Scientific Name**

*Quercus* spp.  
*Salix babylonica*  
  
*Schinus molle*  
*Sequoiadendron giganteum*  
*Sequoia sempervirens*  
*Swietenia mahogany*  
*Tabebuia caraiba*  
*Tilia cordata*  
*Thuja plicata*  
*Ulmus parvifolia*  
*Umbellularia californica*  
*Washingtonia robusta*

**Common Name**

Oak  
 Babylon weeping willow  
 Corkscrew willow  
 California pepper tree  
 Giant sequoia  
 Coast redwood  
 Mahogany  
 Yellow tab  
 Littleleaf linden  
 Western redcedar  
 Chinese Elm  
 California laurel  
 Mexican fan palm

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F

**ORNAMENTAL SHRUBS****Scientific Name**

*Abelia grandiflora*  
*Acacia redolens*  
*Agave americana*  
*Agave macroculmis*  
*Arctostaphylos stanfordiana*  
*Astilbe chinensis*  
*Baccharis pilularis*  
*Berberis thunbergii*  
  
*Bougainvillea* spp.  
  
  
  
  
*Buxus microphylla*  
  
  
*Buxus sempervirens*

**Common Name**

Glossy abelia  
 Prostrate acacia  
 Century plant  
 Agave  
 Stanford manzanita  
 False spirea  
 Coyotebush  
 Atropurea-Redleaf Japanese barberry  
 Aurea golden Japanese barberry  
 Crimson pygmy barberry  
 Barbara Karst  
 California Gold  
 Scarlet O'Hara  
 Texas Dawn  
 Japonica-Japanese boxwood  
 Littleleaf boxwood  
 Common boxwood

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

F  
 F  
 F  
 F  
 F  
 C,F  
 F  
 C,F  
 C,F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 C,F  
 F  
 C,F

**ORNAMENTAL SHRUBS (cont.)****Scientific Name**

*Callistemon citrinus*  
*Ceanothus* spp.  
*Chamaecyparis obtusa* spp.

*Chamaecyparis pisifera*

*Chrysalidocarpus lutescens*

*Cleyera japonica*

*Cornus alba*

*Cornus florida*

*Cornus kousa*

*Cornus stolonifera*

*Cotoneaster adpressus*

*Cotoneaster apiculatus*

*Cotoneaster buxifolius*

*Cotoneaster congestus*

*Cotoneaster dammeri*

*Cotoneaster himalayan*

*Cotoneaster horizontalis*

*Cotoneaster lacteus*

*Cotoneaster microphyllus*

*Cryptomeria japonica*

*Cytisus praecox*

*Cytisus scoparius*

*Dasyllirion wheeleri*

*Deutzia crenata*

*Dodonea viscosa*

*Escallonia exoniensis*

*Euonymus alata*

*Euonymus fortunei*

*Euonymus japonica*

**Common Name**

Lemon bottlebrush  
 Wild lilac  
 Kosteri cypress  
 Nana-dwarf Hinoki cypress  
 Torulosa cypress  
 Filifera-thread cypress  
 Squarrosa minima-dwarf moss cypress  
 Areca palm  
 Japanese cleyera  
 Sibirica-Siberian dogwood  
 Flowering dogwood  
 Kousa dogwood  
 Flaviramea-yellowtwig dogwood  
 Praecox-early cotoneaster  
 Cranberry cotoneaster  
 Brightbead cotoneaster  
 Pyrenees cotoneaster  
 Bearberry cotoneaster  
 Himalayan cotoneaster  
 Rock cotoneaster  
 Parney cotoneaster  
 Rockspray cotoneaster  
 Japanese cryptomeria  
 Hollandia-warminster broom  
 Lena-Scotch broom  
 Desert spoon sotol  
 Nakiana dwarf deutzia  
 Hopseed bush  
 Escallonia  
 Winged euonymus  
 Canadale gold euonymus  
 Emerald'n gold euonymus  
 Stringybark euonymus  
 Wintercreeper  
 Evergreen euonymus  
 Silver king euonymus

**Recommended Treatment Method:**

**C = Container Grown**

**F = Field Grown**

C,F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 C,F  
 F  
 F  
 F  
 C,F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 C,F  
 F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 C,F  
 F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 F

**ORNAMENTAL SHRUBS (cont.)****Scientific Name**

*Euonymus kiautschovica*  
*Fatsyhedera lizei*  
*Forsythia intermedia*  
*Gardenia jasminoides*  
*Genista pilosa*  
*Hibiscus rosa-sinensis*

*Hibiscus syriacus*

*Hypericum* spp.  
*Ilex aquifolium*

*Ilex aquipernyi*  
*Ilex cornuta*

*Ilex crenata*

*Ilex glabra*  
*Ilex meserveae*

*Ilex vomitoria*

*Juniperus* spp.  
*Justicia brandegeana*  
*Justicia spicigera*  
*Lagerstroemia indica*  
*Leucothoe axillaris*  
*Leucothoe fontanesiana*  
*Ligustrum amurense*  
*Ligustrum japonicum*

**Common Name**

Spreading euonymus  
 Fatsyhedera  
 Forsythia  
 Gardenia  
 Woadwaxen  
 Chinese hibiscus  
 Ross Estey hibiscus  
 Rose of Sharon, Red Bird  
 Rose of Sharon, Red Heart  
 Rose of Sharon, Woodbridge  
 St. Johnswort  
 Balkans holly  
 English holly  
 Gold coast holly  
 San Jose holly  
 Chinese holly  
 Dwarf burford holly  
 Convexa holly  
 Compacta-dwarf Japanese holly  
 Helleri-Heller's Japanese holly  
 Japanese holly  
 Nordica-inkberry holly  
 Blue girl holly  
 Blue boy holly  
 Ebony magic holly  
 Nana-dwarf yaupon holly  
 Pendula-weeping yaupon holly  
 Yaupon holly  
 Juniper  
 Shrimp plant  
 Mexican honeysuckle  
 Grape myrtle  
 Coast leucothoe  
 Drooping leucothoe  
 Amur privet  
 Japanese privet  
 Yellow tip ligustrum

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

F  
 C,F  
 F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 F  
 F  
 F  
 F  
 C,F  
 C,F  
 C,F  
 C,F  
 F  
 F  
 C,F  
 C,F  
 C,F

**ORNAMENTAL SHRUBS (cont.)****Scientific Name***Ligustrum texanum**Ligustrum lucidum**Ligustrum ovalifolium**Ligustrum vicaryi**Lonicera fragrantissima**Lonicera periclymenum**Lonicera sempervirens**Mahonia aquifolium**Myoporum parvifolium**Myrtus communis**Nandina domestica**Nerium oleander**Osmanthus heterophyllus**Pachysandra terminalis**Philadelphus* spp.*Phoenix roebelenii**Photinia fraseri**Picea abies**Pieris japonica**Pittosporum* spp.*Platycladus orientalis**Plumbago ariculata***Common Name**

Wax leaf privet

Howardi privet

Glossy privet

California privet

Vicary golden privet

Chinese fountain palm

Winter honeysuckle

Flowering woodbine

Serotina woodbine

Trumpet honeysuckle

Oregon grape

Prostrate myoporum

True myrtle

Compacta-dwarf heavenly bamboo

Harbour-dwarf heavenly bamboo

Heavenly bamboo

Nana compacta- heavenly bamboo

Nana purpurea-heavenly bamboo

Woods-dwarf heavenly bamboo

Hardy red oleander

Oleander

Ruby lace oleander

Holly-leaf osmanthus

Japanese spurge

Mockorange

Pygmy date palm

Fraser's photinia

Repens-spreading Norway spruce

Pendula-weeping Norway spruce

Andromeda

Lily-of-the-valley

Snowdrift

Temple bells lily-of-the-valley

Valley rose lily-of-the-valley

Pittosporum

Oriental arborvitae

Blue cape plumbago

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

F

F

C,F

F

C,F

F

F

F

F

F

F

F

C,F

C,F

C,F

C,F

C,F

C,F

C,F

C,F

C,F

C,F

F

F

C,F

F

C,F

F

F

C,F

F

F

F

F

C,F

C,F

F

**ORNAMENTAL SHRUBS (cont.)****Scientific Name**

*Podocarpus macrophyllus*  
*Potentilla fragiformis*  
*Potentilla fruticosa*  
*Protea neriifolia*  
*Pyracantha coccinea*  
*Pyracantha fortuneana*

*Pyracantha skoidzumi*  
*Raphiolepis indica*

*Raphiolepis ovata*  
*Rhipsalidopsis gaetneri*  
*Rhododendron* spp.

*Rhus lancea*  
*Rosa rugosa*  
*Rosmarinus officinalis*  
*Spiraea vanhouttei*  
*Syringa vulgaris*  
*Syzygium paniculata*  
*Taxus cuspidata*  
*Taxus media*  
*Thuja occidentalis*

*Thuja orientalis*

**Common Name**

Yewpine  
 Cinquefoil  
 Cinquefoil  
 Protea  
 Scarlet forethorn  
 Lalendel Monrovia pyracantha  
 Monon pyracantha  
 Red elf hybrid pyracantha  
 Rutgers hybrid pyracantha  
 Santa Cruz pyracantha  
 Victory pyracantha  
 Formosa firethorn  
 Enchantress-Moness raphiolepis  
 India hawthorn  
 Springtime-Monme raphiolepis  
 Round-leaf raphiolepis  
 Easter cactus  
 Azalea  
 Rhododendron  
 African sumac  
 Ramanas rose  
 Rosemary  
 Bridal wreath  
 Common lilac  
 Brush cherry  
 Japanese yew  
 Yew  
 American arborvitae  
 Emerald arborvitae  
 Globosa-globe arborvitae  
 Little Giant-dwarf arborvitae  
 Nigra-dark American arborvitae  
 Pyramidalis arborvitae  
 Rheingold arborvitae  
 Woodwardii arborvitae  
 Aurea nana-dwarf golden arborvitae  
 Minima glauca-dwarf arborvitae

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

C,F  
 F  
 C,F  
 F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 F  
 C,F  
 F  
 F  
 C,F  
 C,F  
 C,F  
 F  
 F  
 F  
 F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F

**ORNAMENTAL SHRUBS (cont.)****Scientific Name**

*Trachelospermum jasminoides*  
*Veitchia merillii*  
*Viburnum davidii*  
*Viburnum japonicum*  
*Viburnum opulus sterile*  
*Viburnum plicatum tomentosum*  
*Viburnum x pragense*  
*Viburnum setigerum*  
*Viburnum suspensum*  
*Viburnum tinus*

*Viburnum trilobum*  
*Weigela florida*

*Xylosma congestum*  
*Yucca elata*  
*Yucca recurvifolia*

**Common Name**

Chinese star jasmine  
 Christmas palm  
 David viburnum  
 Viburnum  
 Eastern snowball viburnum  
 Doublefile viburnum  
 Viburnum  
 Tea viburnum  
 Sandankwa viburnum  
 Compactum-spring bouquet viburnum  
 Laurastinus viburnum  
 Compactum-dwarf cranberry bush  
 Java red weigela  
 Bristol ruby weigela  
 Minuet weigela  
 Xylosma  
 Soap tree yucca  
 Pendulous yucca

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 C,F  
 F

**GROUND COVERS****Scientific Name**

*Agapanthus africanus*  
*Ajuga spp.*  
*Arctotheca calendula*  
*Campanula elatines*  
*Carpobrotus edulis*  
*Clytostoma callistegioides*  
*Cortaderia selloana*  
*Delosperma alba*  
*Drosanthemum floribundum*  
*Festuca ovina*  
*Gazania spp.*  
*Hedera canariensis*  
*Hedera helix*

**Common Name**

Lily-of-the-Nile  
 Carpet bugle  
 Cape weed  
 Bellflower  
 Largeleaf iceplant  
 Violet trumpet vine  
 Pampas grass  
 White iceplant  
 Trailing rosea iceplant  
 Blue fescue  
 Gazania  
 Algerian ivy  
 English ivy

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

C,F  
 F  
 F  
 C,F  
 F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F



**GROUND COVERS (cont.)****Scientific Name**

*Hemerocallis* spp.  
*Hosta* spp.  
*Hypericum* spp.  
*Lampranthus spectabilis*  
*Liriope gigantea*  
*Liriope muscari*

*Lonicera japonica*  
*Mesembryanthemum crystallinum*  
*Ophiopogon japonicus*  
*Osteospermum fruticosum*  
*Sedum brevifolium*  
*Trachelospermum jasminoides*  
*Vinca major*  
*Vinca minor*

**Common Name**

Daylily  
 Plantain lily  
 St. Johnswort  
 Red trailing iceplant  
 White lily turf  
 Big blue lily turf  
 Lilac beauty lily turf  
 Majestic lily turf  
 Monroe white lily turf  
 Silvery sunproof lily turf  
 Variegated liriope lily turf  
 Japanese honeysuckle  
 Ice plant  
 Mondo grass  
 Trailing African daisy  
 Stonecrop  
 Chinese star jasmine  
 Bigleaf periwinkle  
 Dwarf periwinkle

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

C,F  
 C,F  
 F  
 F  
 F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 F

**ESTABLISHED FLOWERS****Scientific Name**

*Achillea* spp.  
*Antirrhinum majus*  
*Caladium bicolor*  
*Chrysanthemum coccineum*  
*Chrysanthemum maximum*  
*Chrysanthemum morifolium*  
*Coreopsis lanceolata*  
*Dianthus barbatus*  
*Dicentra spectabilis*  
*Dimorphotheca* spp.  
*Echinacea purpurea*  
*Geum quellyon*

**Common Name**

Yarrow  
 Snapdragon  
 Fancy-leaved caladium  
 Painted daisy  
 Shasta daisy  
 Chrysanthemum  
 Coreopsis  
 Sweet william  
 Bleeding heart  
 Cape marigold  
 Purple coneflower  
 Geum

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 C,F  
 F  
 F  
 F

**ESTABLISHED FLOWERS (cont.)****Scientific Name**

*Gladiolus hortulanus*  
*Gypsophila paniculata*  
*Impatiens wallerana*  
*Iris* spp.  
*Liatris spicata*  
*Pelargonium hortorum*  
*Petunia* spp.  
*Portulaca grandiflora*  
*Ranunculus asiaticus*  
*Rosa* spp.  
*Rudbeckia hirta*  
*Salvia* spp.  
*Stokesia laevis*  
*Strelitzia reginae*  
*Tagetes* spp.  
*Viola wittrockiana*  
*Zinnia elegans*

**Common Name**

Gladiolus  
 Baby's breath  
 Impatiens  
 Bearded iris  
 Blazing star  
 Geranium  
 Petunia  
 Rose moss  
 Persian ranunculus  
 Rose  
 Gloriosa daisy/black-eyed susan  
 Sage  
 Stokes aster  
 Bird of paradise  
 Marigold  
 Pansy  
 Common zinnia

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

F  
 F  
 F  
 F  
 C,F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F  
 F

**NON-BEARING FRUIT AND NUT TREES AND NON-BEARING VINEYARDS †****Recommended Treatment Method:****C = Container Grown****F = Field Grown****Common Name**

Almond F  
 Apple F  
 Apricot F  
 Avocado F  
 Cherry, sour F  
 Cherry, sweet F  
 Fig F  
 Filbert F  
 Grape, American F  
 Grape, European F  
 Grapefruit F  
 Kiwi F  
 Kumquat C,F  
 Lemon F

**Common Name**

Macadamia nut F  
 Nectarine F  
 Olive F  
 Orange C,F  
 Peach F  
 Pear F  
 Pecan C,F  
 Pistachio F  
 Plum F  
 Pomegranate F  
 Prune F  
 Walnut, black F  
 Walnut, English F

**Recommended Treatment Method:****C = Container Grown****F = Field Grown**

† Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants that will not bear fruit for at least one year after treatment. Do not apply to plants that will bear fruits, berries or nuts within 12 months of application.

## NON-BEARING BERRIES †

<b>Common Name</b>	<b>Recommended Treatment Method: C = Container Grown F = Field Grown</b>	<b>Common Name</b>	<b>Recommended Treatment Method: C = Container Grown F = Field Grown</b>
Blackberry	F	Elderberry	F
Blueberry	F	Gooseberry	F
Boysenberry	F	Loganberry	F
Currant	F	Raspberry	F
Dewberry	F		

† Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants that will not bear fruit for at least one year after treatment. Do not apply to plants that will bear fruits, berries or nuts within 12 months of application.

## ORNAMENTAL BULBS

### Special Use Precautions

Do not apply to tulip plants that have emerged to a height greater than 3/4 inch. Deep till prior to planting any crop after this use.

Do not apply to gladioli prior to emergence or to plants less than one inch in diameter.

### Application Rates, Frequency, and Timing of Applications

**XL 2G** may be applied for annual weed control in ornamental bulbs such as bulbous iris, daffodil (*narcissus*), hyacinth, and tulip. Apply **XL 2G** to the soil surface two (2) to four (4) weeks after planting and final hilling but prior to the emergence of annual weeds. **XL 2G** may also be applied following bulb emergence. For fall-planted bulbs, apply **XL 2G** again in late winter or early spring to weed-free soil surfaces.

### Broadcast Application Rates

Time of Application	Soil Texture	XL 2G		Minimum Time Between Applications (months)	Total Amount Allowed Per Year (lb/acre)
		(lb/acre)	(lb/1,000 sq ft)		
Fall	Coarse	75	1.7	3	150
Fall	Medium and Fine	150	3.4	3	225
Feb. - March	All Soil Textures	75	1.7	3	225

## CHRISTMAS TREE PLANTATIONS

Apply **XL 2G** to established plantings of labeled field grown Christmas tree species prior to germination of target weeds. Do not apply to Douglas fir (*Pseudotsuga menziesii*) or Eastern hemlock (*Tsuga canadensis*). Do not apply to seedbeds or seedling transplant beds. Apply only to established plantings. Established plants are defined as those that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation.

**Broadcast Application Rates**

Length of Control	XL 2G		Minimum Time Between Applications	Total Amount Allowed Per Year
	(lb/acre)	(lb/1,000 sq ft)	(months)	(lb/acre)
2-4 months	200	4.6	2	400

**Note:** Refer to the "General Information" section of this label for general use precautions and information on application. Refer to "Approved Uses" section of this label for special use precautions and information weeds controlled.

**NON-CROPLAND AREAS: INDUSTRIAL SITES, UTILITY SUBSTATIONS,  
HIGHWAY GUARDRAILS, SIGN POSTS, AND DELINEATORS**

**XL 2G** is recommended as a preemergence treatment for control of certain annual grasses and broadleaf weeds on industrial sites, utility substations, highway guardrails, sign posts, and delineators. Apply **XL 2G** prior to germination of target weeds. Areas to be treated should be free of established weeds or existing weeds should be controlled with postemergence herbicides.

**Broadcast Application Rates**

Length of Control	XL 2G		Minimum Time Between Applications	Total Amount Allowed Per Year
	(lb/acre)	(lb/1,000 sq ft)	(months)	(lb/acre)
2-4 months	200	4.6	2	400

**Note:** Refer to the "General Information" section of this label for general use precautions and information on application. Refer to "Approved Uses" section of this label for special use precautions and information weeds controlled.

**WARM SEASON TURFGRASSES**

**XL 2G** may be applied as a preemergence treatment for control of annual grasses and certain broadleaf weeds in established warm season turf including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass and zoysiagrass or established tall fescue growing in warm season areas. Established turf is defined as a dense turf having a well-anchored root system and healthy, vigorous top growth.

Successful preemergence control of weeds listed on this label requires that **XL 2G** be applied prior to weed germination and be activated by at least one-half (1/2) inch of rainfall or irrigation as soon as possible after application.

**Special Use Precautions:**

To avoid possible injury, do not apply **XL 2G** to:

- Cool season turfgrass species other than tall fescue.
- Lawns containing dichondra or cool season turfgrass species.
- Golf course putting greens or tees.
- Turfgrass in the spring that was planted the previous fall.
- Newly sprigged or sodded areas of bermudagrass, St. Augustinegrass, centipedegrass, zoysiagrass or tall fescue until these turfs are well established and have well anchored root systems.

- Newly hydromulched areas of bermudagrass until such areas are well established.
- This product must be watered in as soon as possible after application to dissolve the granules. A single rainfall or irrigation of 1/2 inch or more is required after product application. Watering-in must be performed by the commercial applicator or the commercial applicator must provide the following information to the resident or owner in writing:
  - "This product must be watered in as soon as possible."
  - "Do not enter or allow others (including children or pets) to enter the treated areas (except those involved in the watering) until the watering-in is complete and the surface is dry."

**XL 2G** will not control emerged weeds.

**XL 2G** may injure turf that is not well established or is stressed or weakened due to unfavorable winter climatic conditions, drought, nematodes, or other factors which damage or weaken turf root systems. Apply **XL 2G** only to healthy, well-established turf that has a well-anchored root system.

Do not apply **XL 2G** in the spring or early summer to tall fescue turfgrass reseeded the previous fall. In such cases, apply Balan\* 2.5G granular herbicide at 60 pounds per acre in early summer (Round 1) and **XL 2G** at 100 pounds per acre approximately eight weeks later (Round 2).

**XL 2G** may thin established annual bluegrass (*Poa annua*) at rates above 100 pounds per acre.

In bermudagrass areas that have been overseeded with winter grasses, a spring application of **XL 2G** will thin the overseeded grasses.

## WEEDS CONTROLLED OR SUPPRESSED BY XL 2G

Weeds controlled by XL 2G when applied at 100 to 150 lb/acre (2.3 to 3.4 lb/1,000 sq ft)

### ANNUAL GRASSES

#### Summer Annuals:

**Common Name**

barnyardgrass  
crabgrass  
crowfootgrass  
foxtail

**Scientific Name**

*Echinochloa crus-galli*  
*Digitaria* spp.  
*Dactyloctenium aegyptium*  
*Setaria* spp.

**Common Name**

goosegrass  
johnsongrass (seedling only)  
ryegrass, Italian  
sandbur, field

**Scientific Name**

*Eleusine indica*  
*Sorghum halepense*  
*Lolium multiflorum*  
*Cenchrus incertus*

#### Winter Annuals:

**Common Name**

bluegrass, annual

**Scientific Name**

*Poa annua*

### BROADLEAF WEEDS

#### Summer Annuals:

**Common Name**

carpetweed  
knotweed, prostrate

**Scientific Name**

*Mollugo verticillata*  
*Polygonum aviculare*

**Common Name**

purslane, common

**Scientific Name**

*Portulaca oleracea*

#### Winter Annuals:

**Common Name**

chickweed, common

**Scientific Name**

*Stellaria media*

**Common Name**

henbit

**Scientific Name**

*Lamium amplexicaule*



**In addition to the weeds controlled, the following weeds will be partially controlled or suppressed at 100 to 150 lb/acre (2.3 to 3.4 lb/1,000 sq ft).**

**Common Name**

carrot, wild  
fleabane, dwarf  
groundsel, common

**Scientific Name**

*Daucus carota*  
*Conyza ramosissima*  
*Senecio vulgaris*

**Common Name**

mustard, Indian  
spurge, prostrate  
woodsorrel, yellow

**Scientific Name**

*Brassica juncea*  
*Euphorbia humistrata*  
*Oxalis stricta*

**Application Rates, Frequency, and Timing of Applications**

**XL 2G** can be applied in the spring for summer annual grass and broadleaf weed control, and in the fall for annual bluegrass (*Poa annua*) and winter annual broadleaf weed control.

**Broadcast Application Rates (Warm Season Turfgrasses)**

Use Area	XL 2G		Minimum Time Between Applications	Total Amount Allowed Per Year
	(lb/acre)	(lb/1,000 sq ft)	(months)	(lb/acre)
All regions	100	2.3	2	200
	150	3.4	3	300

**1. Summer Annual Grasses and Broadleaf Weeds**

**Single Application Program:** Apply 150 pounds per acre of **XL 2G** in late winter or early spring, prior to the onset of conditions favorable for summer annual weed germination.

**Split Application Program:** As an alternative to a single application program, **XL 2G** may be applied in a split application. This program is desirable when the initial application is made well in advance of weed germination and where weed control is desired for a longer period of time. Apply 100 pounds per acre of **XL 2G** in an initial application, followed by a second application of 100 pounds per acre 8 to 10 weeks later.

The second treatment of the split application may follow application of a different preemergence grass herbicide in place of the initial **XL 2G** application.

**2. Annual Bluegrass and Winter Annual Broadleaf Weeds**

Apply **XL 2G** as a preemergence treatment in late summer or early fall, prior to the expected germination period for annual bluegrass and winter annual broadleaf weeds. Do not apply **XL 2G** to areas where fall overseeding will occur. If annual bluegrass infestation is severe and its elimination will result in thinning of turfgrass cover, apply **XL 2G** at 100 pounds per acre. If thinning of turfgrass cover is not a potential problem, **XL 2G** may be applied at 150 pounds per acre.

In areas of heavy annual bluegrass infestation, its elimination will result in temporary thinning of turfgrass cover. Proper fertilization, irrigation and soil incorporated reseeding should be employed to speed the restoration of desirable turfgrass cover in areas previously occupied by annual bluegrass (see section on reseeding).

**Application Directions**

Apply **XL 2G** evenly over the turfgrass area. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over-application. For best results use application equipment designed to uniformly broadcast granular herbicides. More uniform application may be achieved by spreading half the required amount of product over the area and then applying the remaining half in swaths at right angles to the first application. Calibrate application equipment prior to use, according to manufacturer's directions. Check equipment frequently to make sure it is working properly and distributing granules uniformly.



**Reseeding**

Herbicides that control annual weeds may also affect establishment of desirable turfgrass seedlings. Reseeding should be delayed for at least 6 weeks following application of **XL 2G** at the 100 pound per acre rate. When using **XL 2G** at the 150 pound per acre rate, reseeding should be delayed 12 to 16 weeks after application. When reseeding, it is essential that proper cultural practices such as soil cultivation and seedbed preparation, irrigation and fertilization be followed. For satisfactory reseeding results following **XL 2G** use, the seeding rate should be increased and equipment designed to place seed in full contact with soil (such as the Rogers Aero Seeder) should be employed.

**Spreader Settings**

(A guide for calibrating spreaders to apply **XL 2G** in one pass over turf.)

**Note:** These settings are provided as *suggested* starting points in calibrating each individual spreader. Since no two spreaders are alike, these settings are intended only as a guide in beginning the calibration process.

Spreader Type	Estimated Spreader Setting Necessary to Apply the Specified Rate of XL 2G Per Acre In One Pass	
	100 lb/acre	150 lb/acre
<b>Cyclone:</b> Models B1, 33, 96, BSSB at 200 ft/min. Model 100 at 200 ft/min. Model 93 (based on tractor speed of 4 mph) Model 99 (based on tractor speed of 4 mph) Model BPI (based on tractor speed of 4 mph)	3-1/4 3-1/4 5 4-3/4 4-1/2	3-1/2 3-1/2 6-1/4 5/3 - 4-6 5-1/4 - 5-1/2
<b>Gandy:</b> Model 10A series, 6, 8, 10, 11, 12, 20 and 30 ft (based on tractor speed of 5 mph) Model 10T series, 6, 8, 10, 11, 12, 20 and 30 ft (based on tractor speed of 5 mph) Turf Tender, 24, 30, 42 inch (based on tractor speed of 3 mph) 600 Series, 2, 4 and 5 ft (based on tractor speed of 3 mph)	31 33 25 18	37 40 28 22
<b>Lely:</b> Model W and H (based on tractor speed of 4.5 mph)	3	4
<b>Lesco:</b> Lesco Spreader (Note: set 3rd adjustable hole 1 notch from "open")	D 1/2	F
<b>Scott:</b> Rotary Model R-8 Drop Spreader	H 1/2 3-7/8	1 1/4 4-5/8
<b>Spyker:</b> Spyker	3.2	3.6
<b>Vicon:</b> Model 402 (with seed ring) swath width 20 ft, 5 mph speed	24	28
<b>Warren:</b> Model T-7II (based on ground speed of 3.0 mph)	3-1/4	4



**IMPORTANT INFORMATION**  
**READ BEFORE USING PRODUCT**

**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 reflect the opinion of experts based on field use and tests and 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, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Setre Chemical Company or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of Setre Chemical Company and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Setre Chemical Company and Seller harmless for any claims relating to such factors.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SETRE CHEMICAL COMPANY AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.**

To the extent consistent with applicable law, Setre Chemical Company or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SETRE CHEMICAL COMPANY 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 SETRE CHEMICAL COMPANY OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Setre Chemical Company and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of Setre Chemical Company.

Balan® is a registered trademark of Dow AgroSciences, LLC.  
Surflan® is a registered trademark of United Phosphorus, Inc.

EPA Approved 8-17-2009





