

Specialty Herbicide

Contains Surfian*

A selective preemergence herbicide for control of most annual grasses and certain broadleaf weeds

EPA Reg. No. 62719-136 EPA Est. No. 2393-IL-3; 5905-IA-01; 32761-MO-3; 464-MI-1

Net Weight 50 lb

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION PRECAUCION:

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Causes Eye Irritation • Harmful If Swallowed, Inhaled, Or Absorbed Through The Skin

Avoid * pathing dust and contact with skin, eyes, or clothing. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt, and impermeable gloves when handling this product. Wash thoroughly with soep and water after handling. Remove contaminated clothing and wash before reuse.

First Aid

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 attantion if initiation develops.

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

If inhaled: If discomfort occurs, remove individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, provide cardiopulmonary resuscitation assistance (mouth-to mouth) and call a physician:

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning equipment or disposal of wastes.

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ACCEPTED

Under the Federal Insecticide. Fungicide, and Rodenticide Act, as amended, for the pesticide registered under 7/7-/36

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Directions for Use

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

Read all Directions for Use carefully before applying.

Storage and Disposal

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

Postleide Disposel: Wastes resulting from the use of this product may be disposed of an site or at an approved waste disposel facility.

Container Disposel: Completely empty bag into application equipment. Then dispose of empty bag in a century landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of emple stay out of smoke.

General Information

XI. 2G herbicide is a selective preemergence herbicide which is applied to established warm season turigrasses (excluding greene) and ornamentals for the control of most annual grasses and certain broadless woods. XL 2G works by controlling woods as the seeds germinate.

Approved Uses

Warm Season Turforasses - Established Lawns and Golf Courses

Use Precautions

Apply XI, 2G to the surf prior to the germination of weed grasses since XI, 2G will not control established weeds. XI, 2G may thin established annual tilupgrass (Pos annus) turis and fine-leaved features at rates abov. 100 pounds per acre (2 pounds acres ingredent). XI. 2G should not be applied in the spring to turigrass planted the previous fall. In barmudagrass areas that have been ever-ecoded with winter grasses, a spring application of XI. 2G may thin the over-ecoded grasses. XI. 2G should not be used on dichondra. XL 2G should not be applied to navity sprigged areas of bermuckgrams, St. Augustinegrams, certified-grams or zoysingrams until these turis are well established. Do not use on turi type tail feature in spring and summer following fall seeding.

Weeds Controlled by XL 2G

Summer Annual Grasses barryardgrass (watergrass)

Winter Annual Grasses bluegrass, annual

ugo crubgrace) to nooth crabgrass)

(aliver grabgrass)

(from seed orby) ryograce, annual sanctur, field

Summer Annual **Broadles! Weeds** knoweed, prostrate pursiane, common

Winter Annual **Broadleal Weeds** chickweed, common henbit

 αM

Annual Broadles! Weeds Partially Controlled by XL 2G

carrot, wild fleebane, dwarf groundsel, common

musterd, indien spurpe, prostrate woodcorrel, yellow

Plates, Frequency and Timing of Application Succeeding premargance central of the annual weeds listed on this label requires proper timing of application.

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

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

Application Directions

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

Spring germinating summer annual gracess and breadless woods

For preemergence central, apply 100-150 pounds XL 2G (2-3 pounds active ingredient) per acre in late winter or early spring prior to the excet of conditions favorable for annual gross germination. For control of goodegrade, apply 160 pounds (3 pounds active ingredient) per acre in the late winter or early spring.

2. Pao angue (angus) bluegrado) and breedlad winter annuals

For preemergence central, 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 XI, 20 on areas where fall everseeding will occur. In areas of heavy intestation of annual bluegrass, its elimination will temporarily result in thin turigrass areas. Proper fortilization, infigation and soil incorporated researcing will encourage existing desirable turigrasses and newly planted seedling turigrasses to fill in these thin areas previously occupied by annual bluegrass.

For application to smaller areas, apply the following amounts of ${\sf XL}$ 2G:

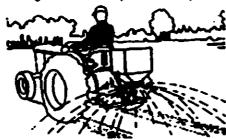
XI. 2G Per Acre 100 h 1903

X1.2G per 1000 Sq. Ft. 21/21 31/2 h

1. When using a drop type spreader, a splash board mounted under the hopper will help dispense granus; more evenly. A chain fastened to the side of your spreader will leave a marked or sculled turl area to follow and help prevent missed areas.



2. When using tractor mounted or pull-type rotary applicators to apply XL 2G, it is suggested that early morning applications be made when the wind is calm and dew is on the ground. When tracks are easy to follow and granules can be spread uniformly.



 Small area application is easy using a small rotary applicator. To insure proper coverage and avoid missed areas, early morning treatment when wheel tracks are evident in the dew and the wind is calm are ideal.



Application Equipment

pply XI, 2G everly ever the turigrace area without stipe or mi ate by spreading half the required plying the remaining half at right the use of apr isides and inces ick bequency to be sure er's drections. Ch equipment is working preparty and distributing granules uniformly.

Appropriate Spreader Settings As A Guide For Calibration

(For applying XL 2G in one pass over the turt.)

Mote: These settings are provided as suggested starting points in callbrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by DowElanco or the spreader manufacturer.

| | Spreader Setting Necessary to Apply Pounds Formulated Product Per Agre | | |
|--|--|----------------|--|
| Spreader Type | 100 Refeere | 150 lb/scre | |
| Gendy: Model 10A series, 6, 6, 10, 11, 12, 20 and 30 R (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) Turf Tender, 24, 30, 42 inch (based on tractor speed | 33 | 40 | |
| of 3 mph) 600 Series, 2, 4 and 5 k (based on tractor speed of 3 mph) | 25 18 | 28 22 | |
| Scett: Rotary Model R-8 Orop Spreeder | H 1/2 37/8 | 1 1/4 4 5/8 | |
| Leace: Leaco Spreader (Note: set 3rd adjustable hole 1 notch from "open") | D 1/2 | F | |
| Cyclone: Models B1, 33, 96, BSSB at 200 Novin. Model 100 at 200 Novin. | 31M -31M | 3 1/2 3 1/2 | |
| Model 93 (based on tractor speed of 4 mph) Model 99 (based on tractor | 5 434 | 61/4 53/4-6 | |
| speed of 4 mph) Model BPI (based on tractor speed of 4 mph) | 41/2 | 5 144-5 1/2 | |
| Spyter: Spyter | 3.2 | 3.6 | |
| Lely: Model W and H (based on tractor speed of 4.5 mph) | 3 | 4 | |
| Vicen: Model 402 (with seed ring) south width 20 R, 5 mph speed | 24 | 28 | |

Recording
Chemicals that effectively control annual wood seeds may also affect new desirable turigrase seedings. Recording should be delayed for at least 6 weeks after applying XL 2Q. When recording, it is essential that proper cultural practices such as sell cultivation, irrigation and fertilization be fellowed. For satisfactory recording results after using XL 2Q, the amount of seed used should be increased and equipment designed to place seed in centast with the sell (such as the Regers Acro Seeder) should be employed. When using XL 2Q at the highest recommended rate, recording should be delayed 12 to 16 weeks after application.

Ornamentals

XL 2G is a preemergence, surface applied herbicide for the control of most annual grasses and certain broadleaf weeds.

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

On container grown ornamentals, where weed seed germination continues to extend periods of time, subsequent applications of XL 2G should not be made any seener than 90 days after application or crop injury may occur.

Do not apply XL 2G in ornamental plantings where the likelihood of runoll onto lawn grees containing dichondra or cool season turigraes species exist as severe injury or death may occur. Poor weed control may result if directions are not followed. Over application may result in crop injury or excessive soil residue.

Plant only arnamental species listed on this label into soil treated the previous season with XL 2G of injury may occur.

ice Plant: When establishing unrocted ice-plant on course soils in landscape plantings, use only the 200 pound rate of XL 2G or crop injury may occur. After the los-plant is well established, a second application may be made.

Scientific Name

Penicum copilare

Weeds Controlled by XL 2G

Grasses

Common Name

trigrass

| Eximination | Special Profession |
|--|---------------------------|
| Darley, Stile | Hordeum pueillum |
| bernjerdgrass | Echinochice crue-geill |
| (matergrace) | - |
| bluograss, artrival | Pos annus |
| brachieria (algneigrane) | Bracklaria app. |
| | Diplante sep. |
| crabgrasses | Africa app. |
| (mão captiates) | |
| (smooth crabgrass) | |
| crowlestgrass | Dectyloctersium augyptium |
| cupgrass, southwestern | Eriochice gracilis |
| fortelle | Saturie sop. |
| (hotfograss) | |
| | |
| (briefograne) | |
| (glant foxfall) | |
| (green fortail) | |
| (plgoengrass) | |
| črávst fartail) | |
| (relevet fortall) (releve fortall) | |
| gooograss | Elevaino indice |
| Author conference) | |
| johnnengrase (seedling only) | Surphum halasanso |
| Annual control | Section responses |
| (September 1997) | = Almonths a saturation |
| junglerice levegrass, little | Echinochica colorum |
| lovegrass, little | Engrando poesaidos |
| levegrans, Meulcan | Expresto mediana |
| Invegrans, Mexican Invegrans, arout | Exercise erusione |
| cate, wild | Avene feta |
| parácum, browntop | Panloum Ineclariatum |
| particum, fail | Penitura dishetamillenum |
| (comparing conferences) | |
| (aproading panicgrass) | 3 |
| perious, Tosse | Parlicum temenum |
| pullalograps | |
| bullalograss Coloradograss | |
| ryograss, halian | Lolum mykllorum |
| sendout, floid | Conchrus Incertus |
| sprangistop, red | Laptoching Afformia |
| alia de la constante de la con | |

Broadleaf Weeds

Common Name Scientific Name Cardamine spp. bittercress curpetweed Multigo versicii chickweed, common Stellaria medie Ameinchie intermedie fiddeneck, coast Bares, redstam Erodum cicumium flares, whitestern Erodum moechelum grounded, common Senecie velgarie راء رمات **antit** Polygonian autoviare histored, prestate Americke spp. (prostrate pigweed) (redreed) (control pigment)
(control pigment)
(control pigment) Tribulus terreseris Portulace claraces cursiane, common pueley, Florida Richardia scabra (Floride pursiane) (Mastican dover) (pueley) rocket, London Sieyenhelum irio عنيتان ينداف rockoursiane, decert Capealle burse-pastorie Euphorbie humistrata chepherdepurse spurge, prostrate woodsorrel, yellow

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

ennuel sourtiets **machinesisry** black maretard black rightshade climbing militared common makes COMMON FROM أرسنسي أيثلب

Soil Preparation

XL 2G will not control established weeds. Areas to be treated should be true of established woods or controlled with post-emergence harbicides. Wood residues, prunings and trush should be theroughly mixed into the soil or removed prior to treatment. The soil should be in good 18th and free of clode at the time of application.

Application Equipment
Apply XI. 2G eventy ever the area. A more uniform application can be made by spreading half the required amount ever the area and then applying the remaining half at right angles. Both drop type and retary type spreaders may be used. Availd the use of spreaders which would apply the material in narrow, concentrated bands. For best results, use explanent designed to apply granular herbicides and inecesticities. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be ours equipment is working properly and distributing granules uniformly.

Heipful Application Techniques for Applying XL 2G

 The hand held Cyclone or Whirlybird rotary applicators are ideal for applying XL 2G broadcast. The rate of application depends on the gauge setting, the walking speed of the operator and the speed of turning the erank. Walk and turn the crank at a constant rate of speed.



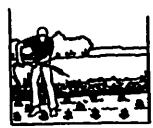
 For those hard to get at small areas, a small container such as a coffee can with holes punched in the hottom makes an excellent shaker type applicator.



 On larger areas, such as rows of sursery stock or ornamental bods, the hand propolled rotary applicator does e fine job.



 Optimum weed control performance will be obtained if XL, 2G is watered within a few hours after application.



Activation and Cultivation

XL2G will remain stable on the soil surface; however, minfall or irrigation is needed to move XL2G into the seil. If weeds begin to emerge due to lack of rainfall or irrigation, shallow cultivate (1 to 2 inches) to destroy existing weeds and place XL2G in the weed germination zone. Shallow cultivation (1 to 2 inches) will not reduce herbicidal effectiveness.

Ornamental Plants

XI. 2G is recommended for use on the fellowing species. All species on the following list may be treated when field grown; only those species marked with a degger (*) may be treated when certainer grown.

Common Name abole, glessy andremeds, Japanese apple, archappio arbentine, glest arbentine, ariental's assive bembes, heavenly before, Japanese' Bre-of-Parades bettebresh, lamon's bestroed, ammon's bemreed, fateled brasheterry's Scientific Name
Abote provides
Plate japontes
Make opp.
Their plasts
Phyliadate orientalis
Phyliadate orientalis
Phyliadate demostro
Barboris demostro
Barboris demostro
Barboris demostro
Barboris sepino
Culletames abrino
Bare semponines
Bare semponines
Bare semponines
Systyphes paristales
Umballutaris callernics

Common Name capajesmine capajesmine capamerigoid capawaed, African charry, Mahalab charry, sweet chysenthemum, floriets

cleyera, Japanese cotoneaster, pamoy † cotoneaster, pamoy † cotoneaster, beatherry † cotoneaster, prehierry † cotoneaster, prehierry † cotoneaster, prehierry † cotoneaster, rock † cotoneaster, rock † cotoneaster, rock property, charf cryptomeria, Japanese † cotoneaster, tellan † daisy, trailing African eastercactus † eacellenia † eucolyptus, mesty string/bark eucolyptus, rod, incherk eucolyptus, neurou-leaved eucoryptus, everypoon † eucoryptus, winged falsocyprose, lewson

letahedera†
leecue, blue
lt, alpine
lt, alpine
lt, baleera
lt, Fracer
lt, grand
lt, Veltah
lt, white
ltrethera, formose†
ltrethera, formose†
lergynthia, berder
geschie, treasureliower
gershum
glotige†
glotiotee
golderswin tree

hiblecus, Chinese
helly, Chinese
helly, Chinese
helly, English
henoyeschie, Japanese
hepseedhash, dammy
ise Plant
(see procusions)
ice plant, largulari
(see procusions)
ice plant, reed traling
(see procusions)
ise plant, reed
(see procusions)
isepations
hy, Algorian
hy, English
iseralsherry, Carolina
iseralsherry, English

Scientific Name (cont.)

Gerdenia jasminoides
Dimorphothece spp.
Arctothece calencula
Prunus mahaleb
Prunus mahaleb
Prunus avium
Chrysanthemum
moriloilum
Cleyere japonice
Cotoneaster lacteus
Cotoneaster lacteus
Cotoneaster hunflellus
Cotoneaster demmeri
Cotoneaster hunflellus
Cotoneaster herizontalis
Cotoneaster microphytius
Beocharis pikularis
Cryptemaris japonice
Cupressus sempenirane
Cutusepermum fruitosum
Pikipasildepole gestineri
Escalyptus cinerea

Eucalyptus aideroxylon

Eucalyptus nicholi

Euroymus fortunei
Euroymus japonica
Euroymus alete
Chamacoyparie
Issurchiona
Fatebodera Bissi
Feetuce ertine
Abies lealecarpe
Abies lealecarpe
Abies prandle
Abies grandle
Abies sencolor
Pyracenthe fortuneana
Pyracenthe fortuneana
Pyracenthe jaeminoides
Gardenie jaeminoides
Gazenie rigens
Palaryenius hortorum
Girlige biliche
Glacielus hortulanue
Keelrustarie
panieuteta
Illus comute
Illus comut

Lamprandius spootabilis

Dragershamum Berlinmaum

Impedano wellerano Hodoro cenerionolo Hodoro hollo Consolvo esp. Junipanto opp. Kalmia latilolia France describiano France laurocrosso Common Name laucothoe, coast levaothae, drooping line, common† Lily of the Nile† liyeurl, bigblue t magnotia, southern menzanita, Stanford macia marigold mockerange † oak **Oregongrape** anthus, holly paney, gardey peppertree, California periwinide, bigleaf periwinide, dwarf potunia photinia † pierle, Jepanese† pine podocarpus, shrubby yew? privat, amus * privet, glossy† privet, golden† privet, Japanese† rechiclepeis, Inde redpeder, eastern redoeder, western redecod, coast rhadadundran† Page of Sharon (sortiation) eprace, Norway

strimp plant[†] spruce, black spruce, Colorado[†] epruce, Englemenn spruce, white St. Johnswort namine, Chinese etonocrop eetgum, American trumpetrine, violet viburnum, laurustinus † vibumum, sandaritu igole, Oklashioned you, Japanese yecos, seestree! zinnie, common

Scientific Name (cont.) Loucothou amillaria Levosthoe fortens Syringe vulparis Agapanthue africanus Liriope muecari Magnolla grandillora Arctostephylos stanfordians Acertop. Tagetes app.
Philadelphus app. Myrtus com ualina alam Charces spp. Cles euripees Mehonie aquilolium manthus hotorophythis Viole withochiene Pyrus communis Schinus mode Vince major Vince minor Potunia spp. Phoenin fra Plans Japonica Pinus app. Podocarpue macrophyllus Liquetrum amurence Liguetrum kucidum Ligustrum viceryi Liquetrum japonicum sphiologie indice Juniparus virginiana Thuja plicata Sequois sempervirens Phododendron epp. Rose sop. Historie syriacus

Justicie brandageane Pices mariene Pices pungens Pices espe Pices ables Pices plauce Hypericum spp. Trachelospermum jesminoides Sedum bravillallum Liquidamber styrecilive Clytestoine Ca Vibunum tinus ne Callistegicides **VENUENCE** AND ale Atricie Everymus fortunal Xylasma corpostu denne corposture er versiorie mas complétate decermie mecrophyllus nas elete Years o Zhoie elegane

Broadcast Application Rates
Apply XL 29 prior to the germination of annual weeds. For preemergence control, apply 200-300 pounds XL 2G (4-5 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 2G.

6-17

XL 2G Per Acre XL 2G per 1000 Sq. Ft. 200 h 4-1/2 b 300 b

Ornemental Bulbs

XL 2G will not control established weeds.

In the spring, do not apply to tally plants that have emerged to a height greater than three-fourths inch (3/47). Deep plow prior to planting any crop after this Lee.

Dosages, Frequency, and Timing of Applications

XL 2G is a preemergence herbicide which may be applied for control of annual woods in ornamental bulbs: Bulbous iris, narcissus, and tulip. Apply XL 2G to the soil surface in the full two (2) to four (4) weeks all planting and final hilling but enter to the planting and final hilling but prior to the emergence of annual weeds,. Apply XL 2G again in into winter or early spring to weed-tree soil sur-

Breadcast XI, 20 at the following decepte:

| Soll Texture | Time | Assertat | Amount |
|---------------|----------------|----------|----------------|
| | of Application | per Acre | per 1000 Sq Pr |
| Coerse | Fell | 75 h | 1.75 lb |
| Medium & Fine | Fell | 150 h | 3.5 lb |
| All | Fell-March | 75 h | 1.75 lb |

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Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unlavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by Buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

- Refund of purchase price paid by buyer or user for product bought, or
- 2. Replacement of amount of product used.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElenco or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

*Trademark of DowElenco
DowElenco • Inclanapolia, IN 46268

LABEL CODE 113-76-002 EPA APPROVAL 03/30/66 DATE CODE 302

Revisions Include:

- 1) Changed registration number from 1471-148 to DowElenco 62719-136.
- 2) Changed warranty statement to reflect transfer to DowElance.

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