Application for Pesticide - Section I 1. Company/Product Number 5905-556 4. Company/Product (Name) Helena XL2G 5. Name and Address of Applicant (Include ZiP Code) Helena Chemical Company 225 Schilling Boulevard, Suite 300 Collierville, Tennessee 38017 Check if this is a new address Section - II Amendment - Explain below. Resubmission in response to Agency latter dated Whet response to Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the second part of the Agency latter dated Who in the Agency latter date	Please read Instituctions on		nited States	Agency		F	Regis	tratio	n			wires 2-28 er Number
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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 fruit and nut trees and non-bearing vineyards
- Non-bearing berries
- · Christmas tree plantations
- Non-cropland
- Established tall fescue and warm season turf (including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass, and zoysiagrass)

ACTIVE INGREDIENTS:

benefin: N-butyl-N-ethyl- α , α , α -trifluoro-2,6- dinitro-p-toluidine	1.0%
oryzalin: 3,5-dinitro-N ⁴ ,N ⁴ -dipropylsulfanilamide	1.0%
INERT INGREDIENTS	98.0%
Total	100.0%
Contains 1 pound active ingredient per 50 pound bag	

Keep Out of Reach of Children

CAUTION

PRECAUCION

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.)

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 eve.
- Call a poison control center or doctor for treatment advice.

HOT LINE

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

EPA Reg. No. 5905-556

EPA Est. No.

Specialty Herbicide

Net Wt.

MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TENNESSEE 38017

Precautionary Statements Hazards to Humans and Domestic Animals CAUTION

Causes Moderate Eye Irritation • May cause skin allergies to develop. • Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Applicators 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, 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 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.

Environmental Hazards

This pesticide is toxic to fish. 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.

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, 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.

Workers may enter treated areas without required PPE during the reentry interval following 1/2 to 1 inch of rainfall or irrigation, if they are performing tasks that do not involve contact with the soil subsurface; otherwise, 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
- · 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: Keep all persons, children, and pets out of treated area until dusts have settled.



Storage and Disposal

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

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: 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.

General Information

HELENA® 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 HELENA® XL 2G prior to germination of target weeds or immediately after cultivation. Length of weed control will vary with rate of HELENA® 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.

HELENA® 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. A single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation is required to activate HELENA® XL 2G. If rainfall or irrigation has not occurred within 21 days of application and tillage is possible, HELENA® 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 HELENA® XL 2G may result in erratic weed control. Do not apply when wind conditions favor drift of HELENA® XL 2G granules from the target area.

Users who wish to use **HELENA® 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 HELENA® XL 2G on plant species not recommended on this label.**

Application Directions

Apply **HELENA® 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 HELENA® 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.

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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

HELENA® 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 HELENA® XL 2G prior to germination of target weeds, or immediately after cultivation.

Broadcast Application Rates:

	HELEN	IA® XL 2G	Minimum Time Between Applications	Total Amount Allowed Per Year	
Labeled Use Site	(lb/acre)	(lb/1000 sq ft)	(months)	(lb/acre)	
 Landscape Ornamentals Field-grown and container-grown ornamentals 	200 300	4.6 6.9	2 4	800 900	

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 HELENA® XL 2G to:

- · plants or areas in greenhouses or other enclosed structures.
- 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 HELENA® 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 (*Mesembryanthernum crystallinum* and *Carpobrutus edulis*)on coarse soils, do not exceed the 200 lb/acre rate of **HELENA® 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 HELENA® 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 HELENA® XL 2G on plant species not recommended on this label.

Weeds Controlled or Suppressed by HELENA® XL 2G

Weeds controlled when HELENA® XL 2G is applied at a rate of 200 to 300 pounds per acre (4.6 to 6.9 pounds per 1000 sq ft).

Annual Grasses:

Scientific Name Common Name barley, little .Hordeum pusillum barnyardgrass Echinochloa crus-galli

bluegrass, annual Poa annua Digitaria spp. crabgrass

crowfootgrass Dactyloctenium aegyptium

cupgrass, southwestern Eriochloa gracilis Setaria spp. foxtail goosegrass Eleusine indica johnsongrass (seedling only) Sorghum halepense junglerice Echinochloa colonum

lovegrass, Mexican Eragrostis mexicana lovegrass, orcutt Eragrostis orcuttiana Avena fatua

oat, wild

Panicum fasciculatum panicum, browntop panicum, fall Panicum dichotomiflorum

panicum, Texas Panicum texanum ryegrass, Italian Lolium multiflorum sandbur, field Cenchrus incertus signalgrass Brachiaria spp. sprangletop, red Leptochloa filiformis Panicum capillare witchgrass

Broadleaf Weeds:

spurge, prostrate

Common Name **Scientific Name**

bittercress Cardamine oligosperma carpetweed Mollugo verticillata Stellaria media chickweed, common fiddleneck, coast Amsinckia intermedia filaree, redstern Erodium cicutarium filaree, whitestem Erodium moschatum

groundsel, common Senecio vulgaris henbit Lamium amplexicaule knotweed, prostrate Polygonum aviculare lambsquarters, common Chenopodium album pigweed Amaranthus spp. Tribulus terrestris puncturevine purslane, common Portulaca oleracea pusley, Florida Richardia scabra rocket, London Sisvmbrium irio rockpurslane, desert Calandrinia ciliata shepherdspurse Capsella bursa-pastoris

woodsorrel, yellow 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 1000 sq ft).

Euphorbia humistrata

Scientific Name Common Name horseweed Conyza canadensis ladysthumb Polygonum persicaria lettuce, prickly Lactuca serriola mallow, common Malva neglecta

milkweed, climbing Sarcostemma cynanchoides

morningglory Ipomoea spp. mustard, black Brassica nigra mustard, wild Brassica kaber nightshade, black Solanum nigrum

ragweed, common Ambrosia artemisiifolia smartweed Polygonum pensylvanicum

Sonchus oleraceus sowthistle, annual

spurge, spotted teaweed (prickly sida) velvetleaf

wheat, volunteer

Parlor paim

Euphorbia maculata Sida spinosa Abutilon theophrasti Triticum spp.

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

Trees Recommended Treatment Method:

	C = Container Crown
Calantifia Nama/Camman Nama	C = Container Grown
Scientific Name/Common Name	<u>F = Field Grown</u>
Abies balsamea	_
Balsam fir	F
Abies concolor	-
White fir	F
Abies fraseri	
Fraser fir	F
Abies grandis	_
Grand fir	F
Abies lasiocarpa	_
Alpine fir	F
Abies veitchi	_
Veitch fir	F
Abutilon hybridum	
Albus flowering maple	F
Luteus flowering maple	F
Roseus flowering maple	F.
Tangerine flowering maple	F
Vesuvius red flowering maple	F
Acer spp.	
maple	F
Arecastrum romanzoffianum	
Queen palm	F
Betula papyrifera	
Paper birch	F
Betula nigra	
River birch	F
Betula pendula	
White birch	F.
Bucida buceras	
Black olive	F
Ceratonia siliqua	
Carob	F
Cercidium floridum	
Blue palo verde	F
Cercis Canadensis	•
Redbud	C,F
Chamaecyparis lawsoniana	-,-
Lawson falsecypress	F
Chamaecyparis obtusa spp.	•
Filicoides-fernspray cypress	F
Gracilis-slender Hinoki cypress	F
Chamaecyparis pisifera	•
Sawara-false cypress	F
Squarrosa-moss cypress	Ė
Chamaedorea cataractarum	•
	_
Cat palm	F
Chamaedorea costaricana	_
Paim Champadama atama	F
Chamaedorea elegans	-

F

Cornus florida	
Flowering dogwood	F
Crupaniopsis anacardioides	_
Carrot wood	F
Cryptomeria japonica	
Japanese cryptomeria	C,F
Cupressus glabra	
Arizona cypress	C,F
Cupressus sempervirens	
Italian cypress	C,F
Elaeagnus angustifolia	
Russian olive	C,F
Eucalyptus cinerea	
Mealy eucalyptus	F
Silver dollar eucalyptus	F
Eucalyptus camaldulensis	
Red gum eucalyptus	F
Eucalyptus nicholii	_
Narrow-leaved eucalyptus	F
Eucalyptus sideroxylon	_
Red ironbark eucalyptus	F
Ficus benjamina	_
Ficus	F
Fraxinus spp.	_
Ash	F
Ginkgo biloba	
Maidenhair tree	C,F
Gleditsia triacanthos	_
Honey locust	F
Heteromeles arbutiflora	_
Toyon	F
Juniperus virginiana	_
Eastern redcedar	F
Kalmia latifolia	F
Mountain laurel	Г
Koelreuteria paniculata	F
goldenrain tree	Г
Liquidambar styraciflua	C,F
American sweet gum	U,i
Magnolia grandiflora	F
Southern magnolia	'
Malus spp. Crabapple	F
Morus alba	•
White mulberry	F
Olea euripaea	•
Olive	F
Picea abies	•
Norway spruce	F
Picea engelmanni	-
Engelmann spruce	F
Picea glauca	
Conica-dwarf Alberta spruce	F
White spruce	F
Picea mariana	
Black spruce	F
Picea pungens spp.	
Glauca-Colorado blue spruce	F
Hoopsii-Hoop's blue spruce	F
Koster-Koster blue spruce	F
Pinus spp.	
Pine	C,F
Platanus occidentalis	•
American sycamore	F

54 4	
Platanus racemosa	
California sycamore	F
Podocarpus spp.	r
Podocarpus Pomytus deltoides	F
Populus deltoides	-
Cottonwood	F
Prunus caroliniana	-
Carolina laurelcherry	F
Prunus laurocerasus	F
English laureicherry	F
Prunus mahaleb	,
Mahaleb cherry	F
Prunus yedoensis	r
Yoshino flowering cherry	F
Quercus spp.	٥.
Oak Salin habutaniaa	C,F
Salix babylonica	-
Babylon weeping willow	F
Corkscrew willow	F
Schinus molle	F
California pepper tree	F
Sequoiadendron giganteum	r
Giant sequoia	F
Sequoia sempervirens	c
Coast redwood	F
Swietenia mahogani	F
	-
Mahogany Tababaia	•
Tabebuia caraiba	
Tabebuia caraiba Yellow tab	F
Tabebuia caraiba Yellow tab Tilia cordata	F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden	
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata	F C,F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar	F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia	F C,F F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim	F C,F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica	F C,F F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel	F C,F F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta	F C,F F F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel	F C,F F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta	F C,F F F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta	F C,F F F F Ornamental Shrubs
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta	F C,F F F Cornamental Shrubs Recommended
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta	F C,F F F Cornamental Shrubs Recommended Treatment Method:
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta Mexican fan palm	F C,F F F Cornamental Shrubs Recommended Treatment Method: C = Container Grown
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta Mexican fan palm Scientific Name/Common Name	F C,F F F Cornamental Shrubs Recommended Treatment Method:
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta Mexican fan palm Scientific Name/Common Name Abelia grandiflora	F C,F F F Cornamental Shrubs Recommended Treatment Method: C = Container Grown F = Field Grown
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta Mexican fan palm Scientific Name/Common Name Abelia grandiflora Glossy abelia	F C,F F F Cornamental Shrubs Recommended Treatment Method: C = Container Grown
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Eim Umbellularia californica California laurel Washingtonia robusta Mexican fan palm Scientific Name/Common Name Abelia grandiflora Glossy abelia Acacia redolens	F C,F F F F Ornamental Shrubs Recommended Treatment Method: C = Container Grown F = Field Grown
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Elm Umbellularia californica California laurel Washingtonia robusta Mexican fan palm Scientific Name/Common Name Abelia grandiflora Glossy abelia Acacia redolens Prostrate acacia	F C,F F F Cornamental Shrubs Recommended Treatment Method: C = Container Grown F = Field Grown
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Elm Umbellularia californica California laurel Washingtonia robusta Mexican fan palm Scientific Name/Common Name Abelia grandiflora Glossy abelia Acacia redolens Prostrate acacia Agave americana	F C,F F F F Ornamental Shrubs Recommended Treatment Method: C = Container Grown F = Field Grown F
Tabebuia caraiba Yellow tab Tilia cordata Littleleaf linden Thuja plicata Western redcedar Ulmus parvifolia Chinese Elm Umbellularia californica California laurel Washingtonia robusta Mexican fan palm Scientific Name/Common Name Abelia grandiflora Glossy abelia Acacia redolens Prostrate acacia	F C,F F F F Ornamental Shrubs Recommended Treatment Method: C = Container Grown F = Field Grown

Glossy abelia F

Acacia redolens
Prostrate acacia F

Agave americana
Century plant F

Agave macroculmis
Agave F

Arctostaphylos stanfordiana
Stanford manzanita F

Astilbe chinensis
False spirea C,F

Baccharis pilularis
Coyotebush F

Berberis thunbergii
Atropurea-Redleaf Japanese barberry
Aurea golden Japanese barberry
Crimson pygmy barberry

Bougainvillea spp.

Ma

Barbara Karst	F
California Gold	F
Scarlet_O'Hara	F
Texas Dawn	F
Buxus microphylla	~ -
Japonica-Japanese boxwood Littleleaf boxwood	C,F
	Г
Buxus sempervirens Common boxwood	○ E
Callistemon citrinus	C,F
Lemon bottlebrush	C,F
Ceanothus spp.	O,F
Wild filac	C,F
Chamaecyparis obtusa spp.	U,I
Kosteri cypress	F
Nana-dwarf Hinoki cypress	, F
Torulosa cypress	F
Chamaecyparis pisifera	•
Filifera-thread cypress	F
Squarrosa minima-dwarf moss cypress	F
Chrysalidocarpus lutescens	
Areca palm	F
Cleyera japonica	
Japanese cleyera	C,F
Cotoneaster adpressus	
Praecox-early cotoneaster	F
Cotoneaster apiculatus	
Cranberry cotoneaster	C,F
Cotoneaster buxifolius	
Brightbead cotoneaster	F
Cotoneaster congestus	
Pyrenees cotoneaster	F
Cotoneaster dammeri	
Bearberry cotoneaster	C, F
Cotoneaster himalayan	F
Himalayan cotoneaster Cotoneaster horizontalis	Г
Rock cotoneaster	C,F
Cotoneaster lacteus	U,I
Parney cotoneaster	C,F
Cotoneaster microphyllus	٠,١
Rockspray cotoneaster	F
Cornus alba	•
Sibirica-Siberian dogwood	F
Cornus florida	
Flowering dogwood	F
Cornus kousa	
Kousa dogwood	C,F
Cornus stolonifera	
Flaviramea-yellowtwig dogwood	F
Cryptomeria japonica	
Japanese cryptomeria	C,F
Cytisus praecox	_
Holandia-warminster broom	F
Cytisus scoparius	_
Lena-Scotch broom	F
Dasylirion wheeleri	_
Desert spoon sotol	F
Deutzia crenata Nakiana dwarf deutzia	F
Dodonea viscosa	г
Hopseed bush	F
Escallonia exoniensis	'
Escallonia	C,F
	-,.

Euonymus alata	
Winged euonymus	F
Euonymus fortunei	
Canadale gold euonymus	C,F
Emerald'n gold euonymus	C,F
Stringybark euonymus	C,F
Wintercreeper	C,F
Euonymus japonica	O ₁ .
Evergreen euonymus	C,F
	E, F
Silver king euonymus	F
Euonymus kiautschovica	_
Spreading euonymus	F
Fatshedera lizei	
Fatshedera	C,F
Forsythia intermedia	
Forsythia	F
Gardenia jasminoides	
Gardenia	C,F
Genista pilosa	_,.
Woadwaxen	F
Hibiscus rosa-sinensis	•
	_
Chinese hibiscus	F
Ross Estey hibiscus	F
Hibiscus syriacus	
Rose of Sharon, Red Bird	F
Rose of Sharon, Red Heart	F
Rose of Sharon, Woodbridge	F
Hypericum spp.	
St. Johnswort	F
llex aquifolium	•
Balkans holly	F
English holly	F
	F
Gold coast holly	r
llex aquipernyi	
San Jose holly	C,F
llex comuta	
Chinese holly	C,F
Dwarf burford holly	C,F
llex crenata	·
Convexa holly	C,F
Compacta-dwarf Japanese holly	C,F
Helleri-Heller's Japanese holly	C,F
Japanese holly	C,F
	0,1
llex glabra	_
Nordica-inkberry holly	F
llex meserveae	_
Blue girl holly	F
Blue boy holly	F
Ebony magic holly	F
Ilex vomitoria	
Nana-dwarf yaupon holly	C,F
Pendula-weeping yaupon holly	Ċ,F
Yaupon holly	C,F
Juniperus spp.	O ₁ .
	C,F
Juniper	C,r
Justicia brandegeana	0.5
Shrimp plant	C,F
Justicia spicigera	
Mexican honeysuckle	F
Lagerstroemia indica	
Crape myrtle	C,F
Leucothoe axillaris	— ,
Coast leucothoe	F
Leucothoe fontanesiana	•,
LULUUIIIOU IOINAIIVOIAIIA	

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Drooping leucothoe	F
Ligustrum amurense	
Amur privet	C,F
Ligustrum japonicum Japanese privet	C,F
Yellow tip ligustrum	Ċ,F
Ligustrum texanum	_
Wax leaf privet Howardi privet	F F
Ligustrum lucidum	,
Glossy privet	C,F
Ligustrum ovalifolium California privet	F
Ligustrum vicaryi	•
Vicary golden privet	C,F
Livistona chinensis Chinese fountain palm	F
Lonicera fragrantissima	F
Winter honeysuckle	F
Lonicera periclymenum	r
Flowering woodbine Serotina woodbine	F F
Lonicera sempervirens	•
Trumpet honeysuckle	F
Mahonia aquifolium Oregon grape	F
Myoporum parvifolium	•
Prostrate myoporum	F
Myrtus communis True myrtle	CE
Nandina domestica	C,F
Compacta-dwarf heavenly bamboo	C,F
Harbour-dwarf heavenly bamboo	C,F
Heavenly bamboo Nana compacta- heavenly bamboo	C,F C,F
Nana purpurea-heavenly bamboo	C,F
Woods-dwarf heavenly bamboo	C,F
Nerium oleander Hardy red oleander	C,F
Oleander	C,F
Ruby lace oleander	C,F
Osmanthus heterophyllus Holly-leaf osmanthus	F
Pachysandra terminalis	r
Japanese spurge	F
Philadelphus spp. Mockorange	CE
Phoenix roebelenii	C,F
Pygmy date palm	F
Photinia fraseri	0.5
Fraser's photinia Picea abies	C,F
Repens-spreading Norway spruce	F
Pendula-weeping Norway spruce	F
Pieris japonica Andromeda	C,F
Lily-of-the-valley	E,F
Snowdrift	F
Temple bells lily-of-the-valley	F .
Valley rose lily-of-the-valley Pittosporum spp.	F
Pittosporum	C,F
Platycladus orientalis	
i iriental arnon/itae	CE

Plumbago ariculata	
Blue cape plumbago	F
Podocarpus macrophyllus	-
Yewpine	C,F
Potentilla fragiformis	٠,٠
Cinquefoil	F
Potentilla fruticosa	•
Cinquefoil	C,F
Protea neriifolia	O ₁ .
Protea	F
Pyracantha coccinea	•
Scarlet forethorn	C,F
Pyracantha fortuneana	O ,1
Lalendel Monrovia pyracantha	C,F
Monon pyracantha	C,F
Red elf hybrid pyracantha	C,F
Rutgers hybrid pyracantha	C,F
Santa Cruz pyracantha	C,F
Victory pyracantha	C,F
Pyracantha skoidzumi	C,F
Formosa firethorn	~ E
Rhaphiolepis indica	C,F
Enchantress-Moness rhaphiolepis	F
India hawthorn	Ç,F
Springtime-Monme rhaphiolepis	F
Rhaphiolepis ovata	_
Round-leaf rhaphiolepis	F
Rhipsalidopsis gaetneri	
Easter cactus	C,F
Rhododendron spp.	
Azalea	C,F
Rhododendron	C,F
Rhus lancea	
_ African sumac	C,F
Rosa rugosa	
Ramanas rose	F
Rosmarinus officinalis	
Rosemary	F
Spiraea vanhouttei	
Bridal wreath	F
Syringa vulgaris	
Common lilac	F
Syzygium paniculata	
Brush cherry	C,F
Taxus cuspidata	
Japanese yew	F
Taxus media	
Yew	F
Thuja occidentalis	
American arborvitae	F
Emerald arborvitae	F
Globosa-globe arborvitae	F
Little Giant-dwarf arborvitae	F
Nigra-dark American arborvitae	F
Pyramidalis arborvitae	F
Rheingold arborvitae	F
Woodwardii arborvitae	F
Thuja orientalis	-
Aurea nana-dwarf golden arborvitae	F
Minima glauca-dwarf arborvitae	F
Trachelospermum jasminoides	•
Chinese star jasmine	F
Veitchia merilli	•
Christmas nalm	_

Viburnum davidii	
David viburnum	F
Viburnum japonicum	
Viburnum	F
Viburnum opulus sterile	
Eastern snowball viburnum	F
Viburnum plicatum tomentosum	
Doublefile viburnum	F
Viburnum x pragense	
Virburnum	F
Viburnum setigerum	
Tea viburnum	F
Viburnum suspensum	
Sandankwa viburnum	F
Viburnum tinus	
Compactum-spring bouquet viburnum	F
Laurastinus viburnum	C,F
Viburnum trilobum	_
Compactum-dwarf cranberry bush	F
Weigela florida	_
Java red weigela	F
Bristol ruby weigela	F
Minuet weigela	F
Xylosma congestum	_
Xylosma	F
Yucca elata	^ =
Soaptree yucca	C,F
Yucca recurvifolia	_
Pendulous yucca	F
	^

Ground Covers

Recommended
Treatment Method:
C = Container Grown
E = Field Grown

C,F

Scientific Name/Common Name Agapanthus africanus Lily-of-the-Nile C,F Ajuga spp. Carpet bugie F Arctotheca calendula F Cape weed Campanula elatines Bellflower C,F Carpobrotus edulis F Largeleaf iceplant Clytostoma callistegioides Violet trumpet vine C,F Cortaderia selloana Pampas grass Delosperma alba White iceplant Drosanthemum floribundum Trailing rosea iceplant F Festuca ovina Blue fescue Gazania spp. F Gazania Hedera canariensis F Algerian ivy Hedera helix F English ivy

Hemerocallis spp.

Day lily Hosta spp.

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Plantain lily	C,F
Hypericum spp.	
St. Johnswort	F
Lampranthus spectabilis	
Red trailing iceplant	F
Liriope gigantea	
White lily turf	F
Liriope muscari	
Big blue lily turf	C,F
Lilac beauty lily turf	C,F
Majestic lily turf	C,F
Monroe white lily turf	C,F
Silvery sunproof lily turf	C,F
Variegated liriope lily turf	C,F
Lonicera japonica	
Japanese honeysuckle	F
Mesembryanthemum crystallinum	
Ice plant	F
Ophiopogon japonicus	
Mondo grass	F
Osteospermum fruticosum	
Trailing African daisy	F
Sedum brevifolium	
Stonecrop	F
Trachelospermum jasminoides	
Chinese star jasmine	F
Vinca major	
Bigleaf periwinkle	F
Vinca minor	•
Dwarf periwinkle	F
,	

Established Flowers

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

F

Scientific Name/Common Name Achillea spp. F Yarrow Antirrhinum majus Snapdragon Caladium bicolor Fancy-leaved caladium Chrysanthemum coccineum Painted daisy Chrysanthemum maximum Shasta daisy Chrysanthemum morifolium F Chrysanthemum Coreopsis lanceolata F Coreopsis Dianthus barbatus F Sweet william Dicentra spectabilis C,F Bleeding heart Dimorphotheca spp. Cape marigold Echinacea purpurea F Purple coneflower Geum quellyon F Geum Gladiolus hortulanus F Gladiolus Gypsophila paniculata

Baby's breath

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Impatiens wallerana	
Impatiens	F
Iris spp.	
Bearded iris	F
Liatris spicata	
Blazing star	C,F
Pelargonium hortorum	
Geranium	F
Petunia spp.	
Petunia	F
Portulaca grandiflora	_
Rose moss	F
Ranunculus asiaticus	_
Persian ranunculus	F
Rosa spp.	_
Rose	F
Rudbeckia hirta	_
Gloriosa daisy/black-eyed susan	F
Salvia spp.	F
Sage Stokesia laevis	г
Stokes aster	F
	Г
Strelitzia reginae Bird of paradise	F
Tagetes spp.	'
Marigold	F
Viola wittrockiana	1.
Pansy	F
Zinnia elegans	•
Common zinnia	F
	•

Non-bearing Fruit and Nut Trees and Non-bearing Vineyards †

Recommended Treatment Method: C = Container Grown

Common Name	F = Field Grown
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
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

† 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.

Non-bearing Berries †

Recommended Treatment Method:

C = Container Grown

Common Name

F = Field Grown

Blackberry Blueberry Boysenberry

FFF

Dewberry Elderberry Gooseberry Loganberry

Raspberry

Currant

+ F F F F F

† Non-bearing berries are defined as plants that will not bear berries for at least one year after treatment.

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

HELENA® XL 2G may be applied for annual weed control in ornamental bulbs such as bulbous iris, daffodil (narcissus), hyacinth, and tulip. Apply HELENA® 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. HELENA® XL 2G may also be applied following bulb emergence. For fail-planted bulbs, apply HELENA® XL 2G again in late winter or early spring to weed-free soil surfaces.

Broadcast Application Rates

Time of		HELENA® XL 2G		Minimum Time Between Applications	Total Amount Allowed Per Year
Application	Soil Texture	(lb/acre)	(lb/1000 sq ft)	(months)	(lb/acre)
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 **HELENA® 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	HELENA® XL 2G		Minimum Time Between Applications	Total Amount Allowed Per Year
Control	(lb/acre)	(lb/1000 sq ft)	(months)	(lb/acre)
2 - 4 months	200	4.6	2	800
4 - 8 months	400	9.2	2	800

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.

Noncropland Areas: Industrial Sites, Utility Substations, Highway Guardrails, Sign Posts, and Delineators

HELENA® 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 **HELENA® 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	HELENA® XL 2G		Minimum Time Between Applications	Total Amount Allowed Per Year
Control	(lb/acre)	(lb/1000 sq ft)	(months)	(lb/acre)
2 - 4 months	200	4.6	2	600
4 -8 months	400	9.2	4	1200
8 - 12 months	600	13.8	8	1200

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

HELENA® 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 **HELENA® XL 2G** be applied prior to weed germination and be activated by at least one-half (1/2) inch of rainfall or irrigation within 21 days of application.

Special Use Precautions:

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

- Cool season turfgrass species other than tail 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.

HELENA® XL 2G will not control emerged weeds.

HELENA® 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 **HELENA® XL 2G** only to healthy, well-established turf that has a well-anchored root system.

Do not apply **HELENA® XL 2G** in the spring or early summer to tall fescue turfgrass reseded the previous fall. In such cases, apply Balan* 2.5G granular herbicide at 60 to 80 pounds per acre in early summer (Round 1) and **HELENA® XL 2G** at 100 pounds per acre approximately eight weeks later (Round 2).

HELENA® 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 **HELENA® XL 2G** will thin the overseeded grasses.

Weeds Controlled or Suppressed by HELENA® XL 2G

Weeds controlled by HELENA® XL 2G when applied at 100 to 150 lb/acre

(2.3 to 3.4 lb/1000 sq ft) Annual Grasses

14/93

Summer Annuals:

Common Name

Scientific Name

barnyardgrass

Echinochloa crus-galli

crabgrass

Digitaria spp.

сгоwfootgrass

Dactyloctenium aegyptium

foxtail

Setaria spp.

goosegrass johnsongrass Eleusine indica Sorghum halepense

(seedling only)

ryegrass, Italian

Lolium multiflorum

sandbur, field

Cenchrus incertus

Winter Annuals:

Common Name

Scientific Name

bluegrass, annual

Poa annua

Broadleaf Weeds

Summer Annuals:

Common Name

Scientific Name

carpetweed

Mollugo verticillata

knotweed, prostrate

Polygonum aviculare

purslane, common

Portulaca oleracea

Winter Annuals:

Common Name

Scientific Name

chickweed, common

Stellaria media

henbit

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/1000 sq ft).

Common Name

Scientific Name

carrot, wild

Daucus carota

fleabane, dwarf

Conyza ramosissima

groundsel, common

Senecio vulgaris

mustard, Indian

Brassica juncea Euphorbia humistrata

spurge, prostrate woodsorrel, yellow

Oxalis stricta

Application Rates, Frequency and Timing of Applications

HELENA® 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)

	HELENA® XL 2G		Minimum Time Between Applications	Total Amount Allowed Per Year
Use Area	(lb/acre)	(lb/1000 sq ft)	(months)	(lb/acre)
All, except	100	2.3	2	400
Florida	150	3.4	3	600
Florida	100	2.3	3	400
	150	3.4	3	450

1. Summer Annual Grasses and Broadleaf Weeds



Single Application Program: Apply 150 pounds per acre of **HELENA® 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, HELENA® 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 HELENA® 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 **HELENA® XL 2G** application.

2. Annual Bluegrass and Winter Annual Broadleaf Weeds

Apply HELENA® 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 HELENA® 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 HELENA® XL 2G at 100 pounds per acre. If thinning of turfgrass cover is not a potential problem, HELENA® 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).

Weed Control in Florida

In Florida, apply 150 pounds per acre of **HELENA® XL 2G** three times per year, or every 90 to 100 days, in the fall, early spring, and early summer. Do not apply more than 150 pounds per acre of **HELENA® XL 2G** in any single application.

Application Directions

Apply **HELENA® 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 **HELENA® XL 2G** at the 100 pound per acre rate. When using **HELENA® 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 **HELENA® 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 HELENA® 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.

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

CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

Refund of the purchase price paid by buyer or user for product bought, or

2. Replacement of the product used



To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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HELENA CHEMICAL COMPANY

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March 1, 2005

U.S. Environmental Protection Agency Document Processing Desk (NOTIF) Office of Pesticide Programs (7504C) 1801 South Bell Street Crystal Mall #2, Room 266A Arlington, VA 22202-4501

RF.

Notification to Add Other Revisions

To Whom it May Concern,

Enclosed, you will find Helena Chemical Company's Notification for numerous products. Helena has updated the copyright company name, all trademarks, and registered trademarks from Helena Chemical Company to Helena Holding Company. This has been done on the following products:

Pro-Mate Barricade 0.435% Plus Fertilizer	5905-536
Pro-Mate Dimension 0.10% Plus Fertilizer	5905-537
Pro-Mate Dimension 0.22% Plus Fertilizer	5905-538
Pro-Mate Dimension 0.26% Plus Fertilizer	5905-539
Asset PGR	5905-540
Armicarb 100	5905-541
HM-2010	5905-542
Pro-Mate Barricade 0.22% Plus Fertilizer	5905-543
Extra Value Dusting Sulfur	5905-544
Sungro Combo Sulfur Dusting & Spraying	5905-545
Sungro 455 Soluble Oil	5905-546
435 Soluble Oil	5905-547
Empower 2 Granular Insecticide	5905-548
HardBall	5905-549
WildCard Xtra	5905-550
Pro-Mate Ronstar 1% Plus Fertilizer	5905-551
Double Up B+D	5905-552
Helena XL2G	5905-556
This should also be noted on all alternate brand names	of the master labels.

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in support of these Notifications, you will find the following:

EPA Form 8570-1

1 copy of the revised label highlighted

If you have any questions, do not hesitate to call me at (901) 752-4420 or by fax at (901) 758-1694. Thank you for your assistance in this matter.

Sincerely,

Mandy K. Styles

Product Registration Supervisor