1/11/2002

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JAN1125 2

Glenda Haage Platte Chemical Company 410 18th Street Greeley, CO 80631

Dear Ms. Haage:

SUBJECT: Balan Dry Flowable

Label Amendment

EPA Registration No. 34704-823 Submission Dated September 13, 2001

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the following revisions:

1. Since PPE are specified in the Precautionary Statements section under "Applicators and other handlers must wear...", delete the PPE statement following, "Avoid contact with skin or clothing," statement.

The amended label supersede all previously accepted ones. A stamped copy is enclosed for your records. Please submit one copy of your printed label before you release the product for shipment.

Sincerely yours,

Joanne I. Miller Product Manager (23) Herbicide Branch Registration Division (7505C)

Enclosure

17. aake

# ORYZALIN COATED GRANULES

A selective preemergence surface-applied herbicide for control of annual grasses and many broadleaf weeds in:

- Landscape Ornamentals
- Container Grown Ornamentals
- Field Grown Ornamentals
- Drainage Areas Under Shadehouse Benches
- Ornamental Bulbs
- Ground Covers/Perennials
- Christmas Tree Plantations
- Noncropland and Industrial Sites
- Non-bearing fruit and nut trees and non-bearing vineyards
- Established Warm Season Turf (including Bahlagrass, Bermudagrass, Buffalograss, Centipedegrass, St. Augustinegrass and Zoysiagrass)
- Tall Fescue (warm season areas)

# 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.)

EPA REG. NO. 34704-823

EXP 08/01

# PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

Avoid contact with skin or clothing. Wear long-steeved shirt and long pants, sock and shoes. Prolonged or frequently repeated skin contact may cause altergic reaction in some individuals.

Personal Protective Equipment (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on the EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks and protective eyewear.

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.

#### FIRST AID

If in eyes:	Hold eye open and rinse slowly and gently     Life 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.
lf on skin	Take off contaminated clothing.
or clothing:	. Rinse skin immediately with plenty of water for
	15-20 minutes.
	Call a poison control center or doctor for
	treatment advice.
If swallowed:	Call a poison control center or doctor
	immediately for treatment advice.
	Have a person sip a glass of water if able to swallow.
	<ul> <li>Do not induce vomiting unless told to do so by</li> </ul>
	the poison control center or doctor.
	Do not give anything by mouth to an
	unconscious person.
If Inhaled:	Move person to fresh air.
	<ul> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for</li> </ul>
	further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-228-5635, EXT. 136, OR CALL COLLECT, 612-851-8180, EXT. 136. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. 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 when disposing of equipment washwaters or rinsate. Cover or incorporate spills.

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

#### **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 protection pertaining to the statements on this label about personal protection per per personal protection only apply to uses of this product that are covered by the context of the product that are covered by the context of the product that are covered by the context of the product that are covered by the context of the product that are covered by the context of the product that are covered by the context of the product that are covered by the product that are covered by the product that the product

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#### Agricultural Use Requirements cont'd.:

Do not enter or allow worker entry into treated areas during the restricted entry interval (REt) of 24 hours

PPE required for early entry to treated areas that is permitted under the Worker Protections 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 such as polyethylene or polyvinyl chloride, shoes plus socks and protective eyewear.

#### NON-AGRICULTURAL USE REQUIREMENTS

These requirements 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 in greenhouses. Do not allow children or pets on treated areas until granules are washed to the soil surface and the grass is dry.

#### 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, use absorbent materials to contain liquids 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of 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**

This product is a preemergence herbicide for control of certain annual grasses and broadleat weeds in container and landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards, Christmas tree plantations, non-cropland and established tall fescue and warm season turf (including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass, and zoysiagrass). Apply this product prior to germination of target weeds or immediately after cultivation. Length of weed control will vary with rate of this product 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. Repeat applications at 200 pounds per acre and higher should not be made sooner than 90 days after a previous application of this product. Do not apply over 900 pounds per acre total of this product within a 12 month period. Do not graze or feed forage from treated fields or orchards to livestock. Aerial application is prohibited except for agricultur-

#### **GENERAL USE PRECAUTIONS**

This product 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 this product. If rainfall or irrigation has not occurred within 21 days of application and tillage is possible, this product may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate this product may result in erratic weed control. Do not apply when wind conditions favor drift of this product's granules from the target area

Users who wish to use this product on plant species not recommended on this label may determine the suifability 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 noninjurious to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of this product on plant species not recommended on this label.

#### APPLICATION DIRECTIONS

Apply this product 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 THIS PRODUCT

- When using a drop-type spreader, a splash board 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 slock 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

Established† Container Grown Ornamentals, Landscape Ornamentals, Nursery Stock, Ground Covers, Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees and Non-bearing Vineyards, Christmas Tree Plantations, and Non-cropland

This product 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 flowers, ornamental bulbs. non-bearing fruit and nut trees and non-bearing vineyards. Christmas tree plantations, and non-cropland.

Apply this product prior to germination of target weeds or immediately after cultivation

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 this product 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 this product to the following plant species or injury may occur:

Begonia spp. (begonia)

Coleus hybridus (coleus)

Deutzia gracilis (slender deutzia)

Pseudotsuga menziesii (Douglas-lir)
Thuja occidentalis "Techny" (Techny arborvitae)

Tsuga canadensis (eastern hemlock)

- Ice Plant: When establishing unrooted ice plant (Mesembryanthemum crystallinum and Carpobrutus edulis) on coarse soils, do not exceed the 200 Ib/acre rate of this product 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.

Repeat applications should not be made sooner than 60 days after a previous application of this product. Do not apply over 900 pounds per acre total of this product within a 12 month period.

Unlisted plant species: Users who wish to use this product 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 dur-ing 30 to 60 days of normal growing conditions to determine if the treatment is noninjurious to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from the use of this product on plant species not recommended on this label.

WEEDS CONTROLLED OR SUPPRESSED BY THIS PRODUCT Weeds controlled when this product is applied at a rate of 120-240 pounds per acre (2.75-5.50 pounds per 1000 sq. ft.)

#### **Annual Grasses**

Common Name barley, little barnvarograss bluegrass, annual crabgrass crowfootgrass cupgrass, southwestern foxtail goosegrass iohnsongrass (seedling only) junglerice lovegrass, Mexican lovegrass, orcutt oat. wild

panicum, browntop panicum, fall panicum, Texas ryegrass, Italian sandbur, field signalgrass sprangletop, red witchgrass

Scientific Name Hordeum pusilium Echinochloa crus-galli Poa annua Digitaria spp Dactylocten:um aegyptium Eriochioa gracilis Setaria spp. Eleusine indica Sorghum halepense Echinochioa colonum Eragrostis mexicana Eragrostis orcuttiana Avena fatua Panicum fasciculatum Panicum dichotomiflorum Panicum texanum Lolium multiflorum Cenchrus incertus Brachiaria spp. Leptochloa filiformis Panicum capillare

Broadleaf Weeds	
Common Name bitlercress carpetweed chickweed common fiddleneck, coast filaree, reastem filaree, whitestem groundsel common henbit knotweed, prostrate lambsquarters, common pigweed puncturevine purslane, common pusley, Florida	Scientific Name Cardamine oligosperma Mollugo verticillata Stellaria media Amsinckia intermedia Erodium cicutarium Erodium moschatum Senecio vulgaris Lamium amplexicaule Polygonum aviculare Chenopodium album Amaranthus spp. Tribulus terrestris Portulaca oleracea Richardia scabra
Common Name rocket, London rockpurslane, desert shepherdspurse spurge, prostrate woodsorrel, yellow	Scientific <u>Name</u> Siejy ibnum 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 120 - 240 pounds per acre (2.75 to 5.50 pounds per 1000 sq ft).

<u>Common Name</u>	Scientific Name
horseweed	Conyza canadensis
ladysthumb	Polygonum persicaria
lettuce, prickly	Lactuca serriola
mallow, common	Matva neglecta
milkweed, climbing	Sarcostemma cynanchoides
morningglory	Ipomoea spp.
mustard, black	Brassica nigra
mustard, wild	Brassica kaber
nightshade, black ragweed. common smartweed sowthistle, annual spurge, spotted teaweed (prickly sida) velvetleaf wheat, volunteer	Solanum nigrum Ambrosia artemisiifolia Polygonum pensylvanicum Sonchus oleraceus Euphorbia maculata Sida spinosa Abutilon theophrasti Triticum spp.

This Product May Be Used On The Following Established Plant Species: (Note limitations on recommended treatment methods.)

Trees		Juniperus virginiana
		ouripords riiginidid
	Recommended	Eastern redcedar
	Treatment Method:	Kalmia latifolia
	C = Container Grown	Mountain laurei
Scientific Name/Common Name	F = Field Grown	Koelreuteria paniculata
Abies balsamea		goldenrain tree
Balsam fir	F	Liquidambar styraciflua
Abies concolor		American sweet gum
White fir	F	Magnolia grandiflora
Abies fraseri		Southern magnolia
Fraser fir	F	Malus spp.
Abies grandis		Crabapple
Grand fir	F	Morus alba
Abies lasiocarpa		White mulberry
Alpine fir	F	Olea euripaea
Abies vertchi		Olive
Vertch fir	F	Picea abies
Abutilon hybridum		Norway spruce
Albus flowering maple	F	Picea englemanni
Luteus flowering maple	۴	Englemann spruce
Roseus flowering maple	F	Picea glauca
Tangerine flowering maple	F	Conica-dwarf Alberta spruce
Vesuvius red flowering maple	F	White spruce
Acer spp		Picea mariana
maple	F	Black spruce
Arecastrum romanzoffianum		Picea pungens spp.
Queen palm	F	Glauca-Colorado blue spruce
Betula papyrifera		Hoopsii-Hoop's blue spruce
Paper birch	F	Koster-Koster blue spruce
Betula nigra		Pinus spp.
River birch	F	Pine
Betula pendula		Platanus occidentalis
White birch	F	American sycamore
Bucida buceras		Platanus racemosa
Black olive	F	California sycamore

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

Scientific Name/Common Name	C = Container G F = Field Grown
Ceratonia siliqua	Ę.
Carob Cercidium floridum	
Blue palo verde	F
Cercis canadensis Redbud	CF
Chamaecyparis lawsoniana	
Lawson falsecypress	F
Chamaecyparis obtusa spp. Filicoides-fernspray cypress	£
Gracilis-slender Hinoki cypress	F
Chamaecyparis pisifera	_
Sawara-false cypress Squarrosa-moss cypress	F F
Chamaedorea cataractarum	
Cat palm	F
Chamaedorea costaricana Palm	F
Chamaedorea elegans	_
Parlor palm	F
Cornus florida Flowering dogwood	F
Crupaniopsis anacardioides	F
Carrot wood Cryptomeria japonica	٢
Japanese cryptomeria	C. F
Cupressus glabra	C. F
Arizona cypress Cupressus sempervirens	U, F
Italian cypress	C. F
Elaeagnus angustifolia	C. F
Russian olive Eucalyptus cinerea	C. 1
Mealy eucalyptus	F F
Silver dollar eucalyptus  Eucalyptus camaldulensis	۲
Red gum eucatyptus	F
Eucalyptus nicholii	F
Narrow-leaved eucalyptus  Eucalyptus sideroxylon	T
Red ironbark eucalyptus	F
Fiς us benjamina Ficus	F
Fraxinus spp.	
Ash	F
Ginko biloba Maidenhair tree	C, F
Gleditsia triacanthos	
Honey locust  Heteromeles arbutiflora	F
Toyon	F
Juniperus virginiana	۴
Eastern redcedar Kalmia latifolia	f
Mountain laurei	F
Koelreuteria paniculata goldenrain tree	F
Liquidambar styraciflua	
American sweet gum	C. F
Magnolia grandiflora Southern magnolia	F
Malus spp.	-
Crabapple Morus alba	F
White mulberry	F
Olea euripaea	F
Olive Picea abies	,
Norway spruce	F
Picea englemanni Englemann spruce	F
Picea glauca	
Conica-dwarf Alberta spruce	E E
White spruce Picea mariana	r
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
. 1110	-··

ORYZALIN COATI	ED GRANULES		Recommended
EPA REG. NO.	<del>-</del>	0.15.475.10.540.555.415.55	Treatment Method: C = Container Grown
		Şcientific Name/Common Name Cleyera japonica	F = Field Grown
	Recommended	Japanese clevera	C, F
	Treatment Method:	Cotoneaster adpressus	
	C = Container Grown	Praecox-early cotoneaster	F
Scientific Name/Common Name	F = Field Grown	Cotoneaster apiculatus Cranberry cotoneaster	C, F
Podocarpus spp.		Cotoneaster buxifolius	5, 1
Podocarpus	F	Brightbead cotoneaster	F
Populus deltoides	F	Cotoneaster congestus	•
Cottonwood  Prunus caroliniana	F	Pyrenees cotoneaster Cotoneaster dammeri	F
Carolina laurelcherry	F	Bearberry cotoneaster	C, F
Prunus laurocerasus		Cotoneaster himalayan	
English laurelcherry	F	Himalayan cotoneaster	F
Prunus mahaleb	r	Cotoneaster horizontalis	6.5
Mahaleb cherry Prunus yedoensis	F	Rock cotoneaster  Cotoneaster lacteus	C, F
Yoshino flowering chery	F	Parney cotoneaster	C, F
Quercus spp.		Cotoneaster microphyllus	
Oak	C. F	Rockspray cotoneaster	F
Salix b≥bylonica	F	Cornus alba Sibirica-Siberian dogwood	F
Babyion weeping willow Corkscrew willow	F F	Cornus florida	r
Schinus molle	•	Flowering dogwood	F
California pepper tree	F	Cornus kousa	
Sequoiadendron giganteum	_	Kousa dogwood	C, F
Giant sequoia	F	Cornus stolonitera	F
Sequoia sempervirens Coast redwood	F	Flaviramea-yellowtwig dogwood  Cryptomeria japonica	٢
Swietenia mahogani	'	Japanese cryptomeria	C, F
Mahogany	F	Cytisus praecox	
Tabebula caraiba	_	Holandia-warminster broom	F
Yellow tab	F	Cytisus scoparius Lena-Scotch broom	F
Tilia cordata Littleleal linden	C, F	Dasylirion wheeleri	r
Thuja plicata	0,1	Desert spoon solol	F
Western redcedar	F	Deutzia crenata	
Ulmus parvifolia		Nakiana dwarf deutzia	F
Chinese Elm	F	Dodonea viscosa	F
Umbellularia californica California laurel	F	Hopseed bush Escallonia exoniensis	F
Washingtonia robusta	•	Escallonia	C, F
Mexican fan palm	F	Euonymus alata	
		Winged euonymus	F
Ornamental Shrubs		Euonymus fortunei	C, F
Abolio ossadillasa		Canadale gold euonymus Emerald'n gold euonymus	С, F С, F
Abelia grandiflora Glossy abelia	F	Stringybark euonymus	C, F
Acacia redolens	•	Wintercreeper	C, F
Prostrate acacia	F	Euonymus japonica	
Agave americana	_	Evergreen euonymus Silver king euonymus	C, F F
Century plant Agave macroculmis	F	Euonymus kiautschovica	T.
Agave	F	Spreading euonymus	F
Arctostaphylos stanfordiana		Fatshedera lizei	
Stanford manzanita	F	Fatshedera	C, F
Astilbe chinensis	0.5	Forsythia intermedia Forsythia	F
False spirea Baccharis pilularis	C, F	Gardenia jasminoides	•
Coyotebush	F	Gardenia	C, F
Berberis thunbergii		Genista pilosa	_
Atropurea-Redleaf Jacanese barberry	C, F	Woadwaxen Hibiscus rosa-sinensis	F
Aurea golden Japanese barberry	C, F	Chinese hibiscus	F
Crimson pygmy barberry  Bougainvillea spp.	C, F	Ross Estey hibiscus	F
Barbara Karst	F	Hibiscus syriacus	
California Gold	F	Rose of Sharon, Red Bird	F
Scarlet O'Hara	F	Rose of Sharon, Red Heart Rose of Sharon, Woodbridge	F F
Texas Dawn Buxus microphylla	F	Hypericum spp.	f
Japonica-Japanese ticxwood	C, F	St. Johnswort	F
Littleleaf boxwood	F	llex_aquifolium	
Buxus sempervirens		Balkans holly	F
Common boxwood	C, F	English holly Gold coast holly	Ė F
Callistemon citrinus Lemon bottlebrush	C. F	llex aquipernyi	'
Ceanothus spp.	<b>U</b> , F	San Jose holly	C, F
Wild lilac	C, F	llex comuta	· ·
Chamaecyparis obtusa spp.		Chinese holly	C, F
Kosteri cypress	F	Dwarf burford holly liex crenata	C, F
Nana-dwarf Hinoki cybress Torulosa cybress	F F	Convexa holly	C, F
Torulosa cypress Chamaecyparis pisitera	F	Compacta-dwarf Japanese holly	C, F
Filifera-thread cypress	F	Helleri-Heller's Japanese holly	C, F
Squarrosa minima-dwarf moss cypress	F	Japanese holly	C, F
Chrysalidocarpus lutescens	_	llex glabra Nordica-inkberry holly	F
Areca palm	F		•

Recommended Trestment Method: Control and anoryste. Scientific Name(Common Name stressin case Stress	ORYZALIN COAT EPA REG. NO	TED GRANULES O. 34704-823		Recommended Treatment Method: C = Container Grown
Recommended   Chemistration   C   F				F = Field Grown
Scentific Marrel Common Name  E a Field Grown  F Buscage per jurnagog  Sue gen rolly Sue by roll		0		C 5
Scientific Name(Common Name				C, F
Seepine   Seepine   C.			Blue cape plumbago	F
Bille gil holly   F   Petervisis trajlorims   F   Filine by notify   F   Potential fragitoms   F   Fotential fragitoms   F   Potential		F = Field Grown		
Bille Boy, nolly F. Crayello F. Potential funciona F. Potential fu		r		C. F
Ebony mage holly  **C et v. comitions**  **Nama-Chard yaupon holly  **Nama-Chard yaupon holly  **C et v. comitions**  **Nama-Chard yaupon holly  **C et v. Comitions**  **Number of various supplies to the very supplies of the very supplies o	,			F
Nana-dwaf yaupon holy Pencula-weeping yaupon holy Pencula-	Ebony magic holly			
Penduk-weeping yappon holly				C. F
Vaupon holly Ampens app Junger Jungers P Junger Junger C F F Junger C F Junge				c
Jungers spp  C, F  Junger  C, F  Pyracamba forungean  C, F  Pyracamba forungean  C, F  Pyracamba forungean  C, F  Monorova pyracamba  C, F  Sania Cvz pyracamba  C, F  Craw myrite  C, F  Craw myrite  Coania isocitore  Coa				r
Jacholes brandingerans  C. F. Monon pyracantha C. F. Jacholes progress  Shrimp plant C. F. Monon pyracantha C. F. Jacholes progress  Maxican honeysuckle F. Rigers hybrid pyracantha C. F. Rigers hybrid pyracantha Rigers hybrid pyracantha Rigers hybrid pyracantha C. F. Rigers hybrid pyracantha Rigers hybrid R	•	0, 1		C, F
Simmip plant	The state of the s	C, F		
Asside spicegren  Mexican honeysuccie  F Rugers hybrid pyracantha  C F  Cape myrite  Lagorisce mainfect  Cape myrite  Lagorisce mainfect  Cape myrite  Lagorisce mainfect  Cape myrite  Lagorisce axiliance  F Rugers hybrid pyracantha  C F  Vectory pyracantha  C F  C F  C F  C F  C F  C F  C F  C		0.5		
Mexican honeysucke F Rugers hybrid pyracantha C F Crase myrite C F Vectory pyracantha C F Crase myrite C F Vectory pyracantha C F C F Vectory pyracantha Senderum F F Vectory pyracantha Senderum F F F Vectory pyracantha Senderum F F F F F F F F F F F F F F F F F F F		C, F		
Lagostrice-mai antica Crase myrite Cocal leucotine avalent Cocal leucotine Coc		F		
Pyracantha skoldzum    C   F   Comnos iteration   C   F   F   Comnos iteration   C   F   F   Comnos iteration   C   F   F   F   F   F   F   F   F   F		·		
Coasi leucothoe  Leucothoe for Indianamental Francisco Services Se		C, F		C, F
Leucathe fontanessana Drooping leucothoe F Enchanterss-Mones rnaphiolepis F Enchanters-Mones rnaphiolepis F Ligustrum amurense C, F Springtime-Monmer rhaphiolepis F Ligustrum japonicum Japanese privet Vellow tip ligustrum C, F Residence acuts Japanese privet Vellow tip ligustrum C, F Residence acuts R		r		0.5
Dirocoping leucothoo  Loustum amuranse  Loustum amuranse  Amu privet  Loustum japoncum  Japanese privet  Lapanese privet  Lapanese privet  Loustum japoncum  Japanese privet  Loustum japoncum  Loustum leucothoo  Loustum japoncum  Loustum leucothoo  Loustum velanylo  Loustum jaminolo  Loustum jaminol		F		C, F
Amu privet		F		F
Ligustrum   Japanese privet   C. F   Round-leaf Hrabinolepis   F			India hawthorn	
Japanese privet C, F Round-leaf thapnilolepis F Yellow tip [bustrum   Easter cactus   C, F   Rhipsairdopsis gaethers    Ligustrum texanum   Easter cactus   C, F   Rhipsairdopsis gaethers    Wax leaf privet   F Rhododendron spp.    Howard privet   F Rhododendron   C, F    Glossy privet   C, F Rhus lancea    Ligustrum voxilloilum   African sumac   C, F    Calitonia privet   F Rosa rugosa    Ligustrum voxilloilum   Ramanas rose   F    Ligustrum voxilloilum   Ramanas rose   F    Ligustrum voxilloilum   Ramanas rose   F    Ligustrum voxilloilum   F Rosardius officinalis    Listonia chinerias   F Rosardius   F Rosardius officinalis    Listonia chinerias   F Rosardius officinalis    Listonia chinerias   F Rosardius   F Rosardius    Lincera farginalissima   F Rosardius   F Rosardius   F Rosardius    Lincera farginalissima   F Rosardius   F Rosardius   F Rosardius    Lincera farginalissima   F Rosardius   F Ro	•	C, F		F
Yellow tip ligustrum  Wax leaf privet  F Wax leaf privet  F Howardip rivet  F Howardip rivet  F Howardip rivet  F Howardip rivet  C, F Howardip rivet  California privet  Castionnia privet  C, F Howardip rivet  Composition  F Composition  Composition  F Composition  Composition  F Composition  Composition  Composition  F Howardip woodbine  F Ho		Λ. Γ.		E
Ligustrum (existum fexistum				F
Wax leaf privet		<b>O</b> , 1		C. F
Ligustrum lucidum Glossy privet C, F, Bhus lancea Glossy privet Ligustrum ovalifolium California privet Ligustrum varyi Vacari yoliden privet Ligustrum waryi Vacari yoliden yol				
Glossy privet C, F Ahus lancea Lygistrum volalfolium F Ancan sumac C, F Calloria privet F Aosa rugosa Lagistrum volalfolium F Ancan sumac C, F Aosa rugosa Lagistrum volalfolium F Ancan sumac Ancan sumac C, F Aosa rugosa Lagistrum volalfolium F Ancan sumac Ancan sumac C Ancan anan-dwar sumac C Ancan su		F		
Liguistrim ovalifolium		6.5		C, F
Calloria privet   F   Rosa rugosa   F   Vicary golden privet   C, F   Rosmarinus officinalis   Vicary golden privet   C, F   Rosmarinus officinalis   Vicary golden privet   C, F   Rosmarinus officinalis   Vicary golden privet   F   Springea varianute   Vicary golden privet   F   Vicary g		0, F		C F
Victory golden privet   C. F.   Rosmarinus officinalis   F.   Rosemary   F.		F		٥, ,
Liviston's chinensis Chinese buntain palim Chinese buntain palim Concera fragrantissima Winter honeysuckie Loncera penicymenum Floweting woodbine				F
Chinese lountain paint Loncer largarainsisma Winter honeysuckie Loncera pericymenum Flowering woodbine Serotina woodbine		C, F		-
Loncera fragrantissima Winter honeysuckle F Winter honeysuckle F Winter honeysuckle F F Syringa wugans Common illac Common illac F F F Syringa wugans Common illac F F F Syringa wugans Common illac F F Syringa wugans Common illac F F Syringa wugans Common illac F Syringa wugans Common illac F Syringa wugans F Such cherry C C, F Brush cherry C Taxus cuspidat  Taxus media Cregon grape F Myhoporum parvifolium Cregon grape F Myoporum parvifolium F F Serotina adurifolium F F Serotina adurifolium F F Serotina and and and and and and and and and a		c		F
Lancera pericymenum		'		F
Flowering woodbine Serotina woodbine Serotina woodbine Serotina woodbine Lonicera sempervirens Trumpet honeysuckle Ahonia aquifolium Cregon grape Myoporum parvirolium Prostrate myoporum Prostrate myoporum Myrius communis True myritle Nandina domestica True myritle Nandina domestica Compacta-dwart heavenly bamboo C, F Nandina domestica C, F Na	Winter honeysuckle	F		
Serotina woodbine Lonkiera sampervirens Trumpet honeysuckle Trumpe		_		F
Lonicera sempervirens   Taxus cuspidala   Trumpet honeysuckle   F   Apanese yew				C =
Trumpet honeysuckle		r		О, Г
Oregon grape         F         Yew Myoporum parviloilum         F         Yew Thuja occidentalis         F           Myoporum parviloilum         F         American arborvitae         F           Myrtus communis         Emeraid arborvitae         F           True myrtle         C, F         Globosa-globe arborvitae         F           Nandina domestica         Little Giant-dwart arborvitae         F           Compacta-dwart heavenly bamboo         C, F         Nigra-dark American arborvitae         F           Harbour-dwarf heavenly bamboo         C, F         Rheingold arborvitae         F           Nana compacta-heavenly bamboo         C, F         Rheingold arborvitae         F           Nana purpurea-heavenly bamboo         C, F         Thuja orientalis           Woods-dwarf heavenly bamboo         C, F         Thuja orientalis           Nenum deavenly bamboo         C, F         Trachelospermm jasminoidea           Oleander         C, F         Trachelospermm jasminoidea           Oleander         C, F         Trachelospermm		F	Japanese yew	F
Myoporum parvilolium         F         American arborvitae         F           Myrubs communis         Emerald arborvitae         F           True myrtle         C, F         Globosa-globe arborvitae         F           Andrina domestica         Liftle Glant-dwarf arborvitae         F           Compacta-dwarf heavenly bamboo         C, F         Nigra-dark American arborvitae         F           Harbour-dwarf heavenly bamboo         C, F         Pyramidalis arborvitae         F           Heavenly bamboo         C, F         Pyramidalis arborvitae         F           Nana compacta-heavenly bamboo         C, F         Pheingold arborvitae         F           Nana purpurea-heavenly bamboo         C, F         Woods-dwarf arborvitae         F           Nana purpurea-heavenly bamboo         C, F         Aurea nana-dwarf golden arborvitae         F           Nana purpurea-heavenly bamboo         C, F         Aurea nana-dwarf golden arborvitae         F           Nerium oleander         C, F         Aurea nana-dwarf golden arborvitae         F           Nerium oleander         C, F         Tracehelospermum jasminoides           Oleander         C, F         Tracehelospermum jasminoides           Oleander         C, F         Tracehelospermum jasminoides			==	
Prostrate myoporum Myrtus communis True myrtle C, F Globosa-globe arborvitae F Nandina domestica Compacta-dwart heavenly bamboo C, F Harbour-dward raborvitae F Nana compacta-heavenly bamboo C, F Harbour-dward raborvitae F Nana compacta-heavenly bamboo C, F Harbour-dward raborvitae F Nana compacta-heavenly bamboo C, F Harbour-dward raborvitae F Nara anan-dward golden arborvitae F Hardy red oleander C, F Hardy red oleander C, F Harbour-dward raborvitae Hardy red oleander C, F Harbour-dward raborvitae F Hardy red arbour-tae F Harbour-dward raborvitae F Hardy red arbour-tae F Harbour-dward raborvitae F Harbo		F		F
Mytus communis         Emerala arborvitae         F           True myrlle         C, F         Globosa-globe arborvitae         F           Nandina domestica         Liflle Giant-dwarf arborvitae         F           Compacta-dwarf heavenly bamboo         C, F         Pyramidalis arborvitae         F           Heavenly bamboo         C, F         Rheingold arborvitae         F           Nana purpurea-heavenly bamboo         C, F         Rheingold arborvitae         F           Nana purpurea-heavenly bamboo         C, F         Rheingold arborvitae         F           Nana purpurea-heavenly bamboo         C, F         Thuja orientalis           Woods-dwarf heavenly bamboo         C, F         Aurea nana-dwarf golden arborvitae         F           Nerium oleander         C, F         Aurea nana-dwarf golden arborvitae         F           Nerium oleander         C, F         Aurea nana-dwarf golden arborvitae         F           Nerium oleander         C, F         Aurea nana-dwarf golden arborvitae         F           Nerium oleander         C, F         Trachelospermum jasminoides         F           Oleander         C, F         Trachelospermum jasminoides         F           Oleander         C, F         Viburnum davidi         F		F		E
Nandina domestica       Liftle Giant-dwarf arborvitae       F         Compacta-dwarf heavenly bamboo       C, F       Nigra-dark American arborvitae       F         Harbour-dwarf heavenly bamboo       C, F       Pyramidalis arborvitae       F         Heavenly bamboo       C, F       Rheingold arborvitae       F         Nana compacta-heavenly bamboo       C, F       Woodardii arborvitae       F         Nana purpurea-heavenly bamboo       C, F       Aurea nana-dwarf golden arborvitae       F         Nerium oleander       C, F       Aurea nana-dwarf golden arborvitae       F         Nerium oleander       C, F       Aurea nana-dwarf golden arborvitae       F         Nerium oleander       C, F       Aurea nana-dwarf golden arborvitae       F         Nerium oleander       C, F       Aurea nana-dwarf golden arborvitae       F         Nerium oleander       C, F       Aurea nana-dwarf golden arborvitae       F         Nerium oleander       C, F       Trachelospermum jasminoides         Oleander       C, F       C, F       Christmas paim       F         Oleander       C, F       Vilitumum davidii       Descrition markii       F         Oleander oleander       F       Viburum opulus sterile       F         Hober		,		
Compacta-dwarf heavenly bamboo C, F Nigra-dark American arborvitae F Harbour-dwarf heavenly bamboo C, F Pyramidalis arborvitae F Pyramidalis Pyramidalis F Pyramidalis Pyramidalis F Pyramidalis Pyramidalis F Pyram		C, F		· · · · · · · · · · · · · · · · · · ·
Harbour-dwarf heavenly bamboo C, F Pyramidalis arborvitae F Pheenshy bamboo C, F Rheingold arborvitae F Nana compacta-heavenly bamboo C F Woodwardii arborvitae F Nana purpurea-heavenly bamboo C F Woodwardii arborvitae F Nana purpurea-heavenly bamboo C F Aurea nana-dwarf golden arborvitae F Nerium oleander Minima glauca-dwarf arborvitae F Hardy red oleander C, F Aurea nana-dwarf golden arborvitae F Hardy red oleander C, F Chinese star jasmine F Ruby lace oleander C, F Chinese star jasmine F Ruby lace oleander C, F Christmas palm F Christmas palm F Notly-leaf osmanthus P F Notly-leaf osmanthus F Notly-leaf Notly-leaf osmanthus F Notly-leaf osmanthus F Notly-leaf Notly-leaf osmanthus F Notly-leaf No		0.5		
Heaventy bamboo   C, F   Rheingold arborvitae   F			Pyramidalis arborvitae	
Nana compacta-heavenly bamboo C F Moodwardii arborvitae F F Nana purpurea-heavenly bamboo C F Thuja orientalis F Aurea nana-dwarf golden arborvitae F Aurea nana-dwarf golden arborvitae F Minima glauca-dwarf glauca-dwarf arborvitae F Minima glauca-dwarf gloden glauca-dwarf gloden arborvitae F Minima glauca-dwarf gloden glauca-dwarf gloden glode				
Woods-dwarf heavenly bamboo       C, F       Aurea nana-dwarf golden arborvitae       F         Nerium oleander       C, F       Minima glauca-dwarf arborvitae       F         Hardy red oleanoer       C, F       Trachelospermum jasminoides       F         Oleander       C, F       Chinese star jasmine       F         Ruby lace cleander       C, F       Veilchia menlli       F         Osmanthus heterophylius       C, F       Veilchia menlli       F         Holly-leaf osmanthus       F       Viburnum davidii       F         Pachysandra terminalis       David viburnum       F         Japanese spurge       F       Viburnum japonicum       F         Philadelphus spp.       F       Viburnum japonicum       F         Philadelphus spp.       F       Viburnum opulus sterile       F         Phoenix roebeleni:       Eastern snowball viburnum       F         Pyopny date palm       F       Viburnum plicatum tomentosum         Photinia fraseri       Doublefile viburnum       F         Fraser's photinia       C, F       Viburnum x pragense         Picca ables       Viburnum suspensum         Repens-spreading Norway spruce       F       Tea viburnum       F         Peris jap		CF		F
Nerium oleander     Minima glauca-dwarf arborvitae     F       Hardy red oleander     C, F     Trachelospermum jasminoides       Oleander     C, F     Chrinese star jasmine     F       Ruby lace oleander     C, F     Verlichia menili     F       Osmanthus heterophylius     Christmas palm     F       Holly-leaf osmanthus     F     Viburnum davidii       Pachysandra terminalis     David viburnum     F       Japanese spurge     F     Viburnum japonicum       Philadelphus spp.     Viburnum populus sterile       Mockorange     C F     Viburnum populus sterile       Phoenix roebeleni:     Eastern snowball viburnum     F       Pygmy date palm     F     Viburnum plicatum tomentosum       Photinia fraseri     Doubletile viburnum     F       Fraser's photinia     C, F     Viburnum x pragense       Picea ables     Viburnum setigerum     F       Repens-spreading Norway spruce     F     Viburnum suspensum       Pendula-weeping Norway spruce     F     Tea viburnum     F       Pensi japonica     C, F     Sandankwa viburnum     F       Snowdrift     F     Viburum linus       Compactum-spring bouquet viburnum     F				_
Hardy red oleanger Oleander Oleander Oleander C, F Chinese star jasmine F Ruby lace oleander Osmanthus heterophylius Holly-leaf osmanthus Pachysandra terminalis Japanese spurge Philadelphus spp Mockorange Phoenix roebeleni: Pygmy date palm Photinia fraseri Fraser's photinia Faser's photinia Pica abies Repens-spreading Norway spruce Pendula-weeping Norway spruce Pendula-weeping Norway spruce Pica and Andromeda Andromeda C, F Sandankwa viburnum F Compactum-spring bouquet viburnum F		C, F		
Oleander C, F Chinese star jasmine F Ruby lace cleander C, F Verifichia menili Cosmanthus heterophylius Christmas palm F Wiburnum davidii David viburnum F David Viburnum V Davi		C. F		t
Osmanthus heterophylius Holly-leaf osmanthus Pachysandra terminalis Japanese spurge Philadelphus spp. Mockorange Phoenix roebeleni: Pygmy date palm Photinia fraseri Fraser's photinia Faser's photinia Fire a bies Fire a	Oleander	C, F	Chinese star jasmine	F
Holly-leaf osmanthus F Vibunum davidii David viburnum F Vibunum japonicum F Vibunum japonicum F Vibunum P P		C, F		_
Pachysandra terminalis     David viburnum     F       Japanese spurge     F     Viburnum japonicum       Philadelphus spp.     Viburnum opulus sterile     F       Mockorange     C. F     Viburnum opulus sterile       Phoenix roebeleni:     Eastern snowball viburnum     F       Pygmy date palm     F     Viburnum plicatum tomentosum       Photinia fraseri     Doublefile viburnum     F       Fraser's photinia     C. F     Viburnum x pragense       Picea ables     Viburnum setigerum     F       Repens-spreading Norway spruce     F     Tea viburnum     F       Pendula-weeping Norway spruce     F     Tea viburnum     F       Pieris japonica     Viburnum suspensum       Andromeda     C, F     Sandankwa viburnum     F       Lily-ol-the-valley     F     Viburnum fius       Snowdrift     F     Compactum-spring bouquet viburnum     F		F		F
Japanese spurge F Viburnum japonicum Viburnum japonicum Viburnum F Viburnum Japonicum Viburnum F Viburnum Japonicum Viburnum F Viburnum pollus sterile Phoenix roebeleni: Eastern snowball viburnum F Eastern snowball viburnum F Popinia fraseri Doublefile viburnum F Popinia fraseri Doublefile viburnum F F Viburnum x pragense Viburnum x pragense Viburnum x pragense P Viburnum M F Repens-spreading Norway spruce F Viburnum setigerum P Pendula-weeping Norway spruce F Viburnum suspensum F Penis japonica C, F Sandankwa viburnum F F Sandankwa viburnum F Sanda		r		F
Mockorange Phoenix roebeleni: Pygmy date palm Photinia fraseri Fraser's photinia Pica abies Repens-spreading Norway spruce Pendula-weeping Norway spruce Pendula-weeping Norway spruce Pica abies Repens-spreading Norway spruce Pica abies Repens-spreading Norway spruce Pendula-weeping Norway spruce Pica abies Pica abies Repens-spreading Norway spruce Pendula-weeping Norway spruce Pica abies Pomburum setigerum Fendula-weeping Norway spruce F Sandankwa viburnum F Lily-of-the-valley F Snowdrift F Compactum-spring bouquet viburnum F		F		•
Phoenix roebelenii     Eastern snowball viburnum     F       Pygmy date palm     F     Vibumum plicatum Iomentosum       Photinia fraseri     Doublefile viburnum     F       Fraser's photinia     C, F     Vibumum x pragense       Picea ables     Viburnum     F       Repens-spreading Norway spruce     F     Viburnum setigerum       Pendula-weeping Norway spruce     F     Tea viburnum     F       Peris japonica     Viburnum suspensum       Andromeda     C, F     Sandankwa viburnum     F       Lily-of-the-valley     F     Viburum linus       Snowdrift     F     Compactum-spring bouquet viburnum     F			and the second s	F
Pygmy date palm F Vibumum plicatum tomentosum Doublefile viburnum F F Doublefile viburnum F F Faser's photinia Faseri C, F Vibumum x pragense Vibumum x pragense Vibumum x pragense F Vibumum Setigerum F F Vibumum setigerum F F Tea viburnum F F Vibumum suspensum F F F F F F F F F F F F F F F F F F F		C. F		Ę
Photinia fraseri     Doublefile viburnum     F       Fraser's photinia     C, F     Viburnum x pragense       Picea ables     Virburnum     F       Repens-spreading Norway spruce     F     Viburnum setigerum       Pendula-weeping Norway spruce     F     Tea viburnum     F       Pieris japonica     Viburnum suspensum       Andromeda     C, F     Sandankwa viburnum     F       Lily-ol-the-valley     F     Viburum linus       Snowdrift     F     Compactum-spring bouquet viburnum     F		c		r
Fraser's photinia C, F Viburium x pragense Virburnum F  Picca ables F Viburium setigerum  Pendula-weeping Norway spruce F Tea viburnum suspensum  Andromeda C, F Sandankwa viburnum F  Lily-ol-the-valley F Viburium litus  Snowdrift F Compactum-spring bouquet viburnum F		ı	Doublefile viburnum	F
Repens-spreading Norway spruce F Vibunum setigerum Pendula-weeping Norway spruce F Tea viburnum F Peris japonica Andromeda C, F Sandankwa viburnum F Lily-of-the-valley F Vibunum linus Snowdrift F Compactum-spring bouquet viburnum F	Fraser's photinia	C, F	Vibumum x pragense	•
Pendula-weeping Norway spruce F Tea viburnum F Pens japonica Viburum suspensum Andromeda C, F Sandankwa viburnum F Lily-of-the-valley F Viburum linus Snowdrift F Compactum-spring bouquet viburnum F		_		F
Pieris japonica     Viburium suspensum       Andromeda     C, F     Sandankwa viburnum     F       Lily-ol-the-valley     F     Viburium tinus       Snowdrift     F     Compactum-spring bouquet viburnum     F				_
Andromeda C, F Sandankwa viburnum F Lily-ol-the-valley F Vibumum tinus Snowdrift F Compactum-spring bouquet viburnum F		F		F
Lity-of-the-valley F Vibunum tinus Snowdrift F Compactum-spring bouquet viburnum F		C. F		F
	Lily-of-the-valley	F	Vibumum tinus	
	Temple bells lily-of-the-valley Valley rose lily-of-the-valley	F	Laurastinus viburnum Vibumum trilohum	C, F
Valley rose lily-of-the-valley F Vibumum trilobum  Pittosporum spp. Compactum-dwarf cranberry bush F	Pittosporum spp.	г		F
Pittosporum C, F		C. F	pro company back	•

Recommended

#### **ORYZALIN COATED GRANULES** EPA REG. NO. 34704-823

Recommended

	Recommended Treatment Method: C = Container Grown
Scientific Name/Common Name	F = Field Grown
Weigela florida	
Java red weigela	£
Bristol ruby weigela	F F
Minuel weigela  Xylosma congestum	r
Xylosma	F
Yucca elate	
Soaptree yucca	C, F
Yucca recurvifolia	F
Pendulous yucca	г
Ground Covers	
Agapanthus africanus	
Lily-of-the-Nile	C, F
Ajuga spp.	F
Carpel bugle Arctotheca calendula	r
Cape weed	F
Campanula elatines	
Belflower	C, F
Carpobrotus edulis	F
Largeleaf iceplant Clytostoma callistegioides	г
Violet trumpet vine	C, F
Cortaderia selloana	-, .
Pampas grass	F
Delosperma alba	_
White iceplant Drosanthemum floribundum	F
Trailing rosea iceplant	F
Festuca ovina	
Blue fescue	F
Gazania spp.	_
Gazania Hedera canariensis	F
Algerian ivy	F
Hedera helix	•
English ivy	F
Hemerocallis spp.	0.5
Day lify	C, F
Hosta spp. Plantain lily	C, F
Hypericum spp.	-, .
St. Johnswort	F
Lampranthus spectabilis	_
Red trailing iceplant	F
Liriope gigantea White lily turt	F
Liriope muscari	,
Big blue lily turf	C, F
Lilac beauty lily turf	C, F
Majestic lily turf Monroe white lily turf	C, F C, <del>F</del>
Silvery sunproof lify turf	C, F
Variegated liriope lily turl	Č, F
Lonicera japonica	
Japanese honeysuckle	F
Mesembryanthemum crystallinum ice plant	F
Ophiopogon japonicus	Г
Mondo grass	۶
Osteospermum fruticosum	
Trailing African daisy	F
Sedum brevifolium	F
Stonecrop Trachelospermum jasminoides	г
Chinese star jasmine	F
Vinca major	
Bigleaf periwinkle	F
Vinca minor	F
Dwarf periwinkle	F

#### **Established Flowers**

Scientific Name/Common Name	Treatment Method: C = Container Grown F = Field Grown
Achillea spp.	F
Yarrow Antirrhinum majus	F
Snapdragon	F
Caladium bicolor	·
Fancy-leaved caladium	F
Chrysanthemum coccineum	
Painted daisy	F
Chrysanthemum maximum	
Shasta daisy	F
Chrysanthemum morifolium	
Chrysanthemum	F
Coreopsis lanceolata	F
Coreopsis Dianthus barbatus	r
Sweet william	F
Dicentra spectabilis	'
Bleeding heart	C, F
Dimorphotheca spp.	
Cape marigold	F
Echinacea purpurea	
Purple coneflower	F
Geum quellyon	
Geum	F
Gladiolus hortularius	_
Gladiolus	F
Gypsophila paniculata	F
Baby's breath	F
Impatiens wallerana Impatiens	F
ins 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	F
Persian ranunculus  Rosa spp.	Г
Rose	F
Rudbeckia hirta	•
Gloriosa daisy/black-eyed susan	F
Salvia spp.	•
Sage	F
Stokesia laevis	
Stokes aster	F
Strelitzia reginae	
Bird of paradise	F
Tagetes spp.	_
Marigold	F
Viola wittrockiana	F
Pansy Zingia glagans	۲
Zinnia elegans	E

#### **Ornamental Bulbs**

Common zinnia

#### Special Use Precautions

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

F

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

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

#### **Broadcast Application Rates**

		This Product		
Time of Application	Soil Texture	pounds/acre	pounds/ 1000 sq ft	
Fali	Coarse	45	1.00	
Fali	Medium and Fine	90	2.00	
Feb March	All	45	1.00	

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

Common Name	Recommended Treatment Method: C = Container Grown E = Field Grown
Common Name Almond	
,	F F
Apple	. F
Apricol Avecado	F
	F
Blackberry	F
Blueberry Boysenberry	F
Cherry, sour	F
Cherry, sweet	F
Currant	F
Dewberry	F
Elderberry	, F
Fig	Ė
Filbert	Ė
Gooseberry	F
Grape, American	F
Grape, European	F
Grapefruit	F
Kiwi	F
Kumquat	C, F
Lemon	Ē'.
Loganberry	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
Raspberry	F
Walnut, black	F
Walnut, English	F

† Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants which will not bear fruit for at least one year after treatment.

#### **Christmas Tree Plantations**

Apply this product 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 seedlbeds 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.

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

# NONCROPLAND AREAS: INDUSTRIAL SITES, UTILITY SUBSTATIONS, HIGHWAY GUARDRAILS, SIGN POSTS, AND DELINEATORS

This product is recommended as a preemergence treatment for control of certain annual grasses and broadleaf weeds on industrial sites, utility substations, "ignway guardrails, sign posts, and delineators. Apply this product prior to germination of target weeds. Areas to be treated should be free of established weeds or existing weeds should be controlled with postemergence herbickies.

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 tabel for special use precautions and information on application rates and weeds controlled.

#### WARM SEASON TURGRASSES

This product 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 this product be applied prior to weed germination and be activated by at least one-half (½) inch rainfall or irrigation within 21 days of application.

#### SPECIAL USE PRECAUTIONS:

To avoid possible injury, do not apply this product 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, centipedograss, 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 wellestablished.

This product will not control emerged weeds.

This product 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 this product only to healthy, welf-established turf that has a well-anchored root system.

Do not apply this product in the spring or early summer to tall lescue turfgrass reseeded 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 this product at 100 pounds per acre approximately eight weeks later (Round 2).

This product 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 this product will thin the overseeded grasses.

#### WEEDS CONTROLLED OR SUPPRESSED

Weeds controlled by this product when applied at 100 to 150 lb/acre (2.3 to 3.4 lb/1000 sq ft)

#### **Annual Grasses**

Summer Annuals:

Common Name Scientific Name barnyardgrass Echinochloa crus-galli crabgrass Digitaria spp. crowfoot grass Dactyloctenium aegyptium foxtail Setaria spp. Eleusine indica goosegrass johnsongrass (seedling only) Sorghum halepense 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
 Partulaca 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
lleabane, dwarf	Cony za ramosissima
groundsel, common	Senecio vulgaris
mustard, Indian	Brassica juncea
spurge, prostrate	Euphorbia humistrata
woodsorrel, yellow	Oxa s stricta

#### APPLICATION RATES, FREQUENCY AND TIMING OF APPLICATIONS

This product 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.

### 1. SUMMER ANNUAL GRASSES AND BROADLEAF WEEDS Single Application Program: Apply 100 to 150 pounds per acre of this orgduct in

Single Application Program: Apply 100 to 150 pounds per acre of this product 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, this product 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 this product 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 application.

## 2. ANNUAL BLUEGRASS AND WINTER ANNUAL BROADLEAF WEEDS

Apply this product 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 this product to areas where fall overseeding will occur. If annual bluegrass infestation is severe and its elimination will result in thinning of turfgrass cover, apply this product at 100 pounds per acre. If thinning of turfgrass cover is not a potential problem, this product may be applied 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 this product 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 this product in any single application.

#### **BROADCAST APPLICATION RATES**

Pounds per acre	Pounds per 1000 sq ft
100	2.3
150	3.4

#### **APPLICATION DIRECTIONS**

Apply this product evenly over the turgrass 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 turlgrass seedings. Reseeding should be delayed for at least 6 weeks following application of this product at the 100 pound per acre rate. When using this product 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 this product is 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 this product in one pass over turl.) 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 this Product Per Acre in One Pass	
Spreader Type	100 lb/acre	150 lb/acre
Cyclone:		
Models B1, 33, 96, BSSB		
at 200 ft/min	31/4	31/2
Model 100 at 200 ft/min	314	31/2
Model 93 (based on tractor		071
speed of 4 mph)	5	61/4
Model 99 (based on tractor	3	0.74
speed of 4 mph)	43/4	534-6
	4-4	374-0
Model BPI (based on tractor	41:	51/ 51/
speed of 4 mph)	41/2	514-51/2
Gandy:		
Model 10A series, 6, 8, 10.		
11, 12, 20 and 30 ft (based	_	
on tractor speed of 5 mph	31	37
Model 10T series, 6, 8, 10.		
<ol><li>11, 12, 20 and 30 ft (based)</li></ol>		
on tractor speed of 5 mph)	33	40
Turf Tender, 24, 30, 42 inch		
(based on tractor speed of		
3 mph)	25	28
600 Series, 2,4 and 5 ft		
(based on tractor speed or		
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	۴
Scott:		
Rotary Model R-8	H 1/2	1 1/4
Drop Spreader	37/a	45/a
Spyker:	V 10	
Spyker	3.2	3.6
Vicon:	<u> </u>	3.0
Model 402 (with seed ring)		
swath width 20 ft, 5 mph		
	24	28
speed		
Warren:		
Model T-7II (based on	31/	4
ground speed of 3.0 mph)	3¼	4

#### NOTICE

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 WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE, THE MANUFACTURER OR SELLER. IN NO CASE SHALL PLATTE, THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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