File 10529

1M23



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OCT 1 1993

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Merlyn L. Jones, Ph D DOWELANCO Quad IV 9002 Purdue Rd. Indianapolis, IN 46268

SUBJECT: Label Amendment Submission of 06/15/93 in Compliance

with PR Notice 93-7 EPA Reg. No. 62719-174

SNAPSHOT 80 DF

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABFL)
Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001



Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL) Room 266A Crystal Mall 2 1921 Jefferson Davis Highway Arlington, VA 22202

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text" must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,

James Tompkins, Deputy Chief Registration Support Branch Registration Division (H7505W) DOWELANCO SNAPSHOT 80 DF 62719-174 06/15/93 Original Submission

You must add an Agricultural Use Requirements referral box to your main label. Please refer to page 43 of the Main Labeling Guidance for the correct text and placement.

Admin: 62719-174

Analyst comments:

Recommended protective eyewear but was not required.

page 1

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printed August 9, 1993

(Editor's Note: Deleted text Indicated by strike-through and added text underlined) [Front Laminated Birl - Snapshot 80 Dry Flowable (1 ib)]

(logo) DowElanco

Snapshot*

80 Dry Flowable

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

- ·Landscape ornamentals
- Container grown ornamentals
- ·Nursery stock
- •Ground covers
- ·Ornamental bulbs

- -Non-bearing fruit and n: t trees and non-bearing vineyards
- Christmas tree plantations
- ·Non-cropland

Active Ingredients:

isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-	
dimethoxybenzamide and isomer	20.0%
oryzalin: 3,5-dinitro-N ⁴ ,N ⁴ -dipropylsulfanilamide	60.0%
Inert Ingredients	20.0%
Total	
Contains 0.80 pounds active ingredient per pound.	

Keep Out of Reach of Children

CAUTION

Refer to inside of label booklet for additional precautionary information and Directions for Use including STORAGE AND DISPOSAL.

EPA Reg. No. 62719-174 20119 EPA Est. 464-Mi-1 900-00xxxx

*Trademark of DowElanco

DowElanco • Indianapella, IN 46268, U.S.A.

Specialty Herbicide

ACCEPTED
with COMMENTS
In EPA Letter Dated

OCT 1 1993

Under the Federal Insecticide, Fundicide, and Redeutlaide Aut to attended, for the posticide registered maker EPA Reg. No.

printed August 9, 1993

[First page inside of Bklt]

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Discialmer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

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

NOTICE: The container cap for Gallery 75 Dry Flowable herbicide may be used to measure the amount of product required to treat small areas. When filled to the level of the inner lip, the cap contains approximately 1/2 ounce which is the amount of Gallery 75 Dry Flowable needed to treat an area of 1,000 square feet. Please refer to label booklet for complete use directions and precautions.

[EDITOR NOTE: Insert picture of container cap and accompanying arrow and sentence: "When filled to this level, container cap contains 1/2 oz (14 grams) of Gallery 75 Dry Flowable.

[Second Page of Booklet]

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Keep Out of Reach of Children

CAUTION -PRECAUCION:

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

Causes Eye Irritation Or Injury - Harmful If Inhaled

Avoid breathing dust, vapor or spray mist, and contact with eyes, skin or clothing. Use protective clothing such as coveralis, a long-sleeved shirt and shoes when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before rouse.

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. Ther wash thoroughly and put on clean clothing.

First Aid

If In eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If swallowed: Do not induce vomiting. Call a physician or Poison Control Center. If available, administer activated charcoal (6-8 heaping teaspoonfuls) with large quantity of water. Do not induce vomiting or give anything by mouth to an unconscious person. Immediately transport to a medical facility and see a physician.

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

If Inhaled: Remove victim to fresh air. If not breathing, provide artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.

Environmental Hazards

Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Drift may result in reduced germination or emergence of nontarget plants adjacent to treated area.

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.

<u>Agricultural Use Requirements</u>

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 exemptions 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 12 hours.

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:

- Coveralis
- Waterproof gloves
- Shoes plus socks

STORAGE AND DISPOSAL

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

Storage: Store in original container. Do not store in direct sunlight. Do not store at temperatures above 120°F. 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: Dispose of in a sanitary landfill, or by incineration, in accordance with applicable regulations, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

General Information

Snapshot 80 Dry Flowable herbicide is a preemergence herbicide for control of certain annual grasses and broadleaf weeds in: landscape ornamentals; container grown ornamentals; nursery stock; ground covers; ornamental buibs; non-bearing fruit and nut trees and non-bearing vineyards; Christmas tree plantations; non-cropland.

Apply Snapshot 80 Dry Flowable anytime prior to germination of target weeds, or immediately after cultivation.

General Use Frecautions

Snapshot 80 Dry Flowable will not control emerged weeds. Poor weed control may result it directions are not followed. Over-application may result in crop injury or excessive soil residue. 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 Snapshot 80 Dry Flowable. Optimum weed control is obtained when Snapshot 80 Dry Flowable is activated within 21 days of application. If rainfall or irrigation does not occur within 21 days of application and tillage is possible, Snapshot 80 Dry Flowable may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1 to 2 inches of soil.

Do not apply Snapshot 80 Dry Flowable to turf.

Snapshot 80 Dry Flowable is orange in color and may cause temporary discoloration of sprayed surfaces. If this discoloration is undesirable, it may be altered by using a commercially available colorant such as Blazon or removed by spraying surface with water or washing with an industrial cleaner immediately after application. Snapshot 80 Dry Flowable may also be applied with mulch colorants, such as Mulch Magic or Nu-Mulch.

Users who wish to use Snapshot 80 Dry Flowable 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 noninjurious to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of Snapshot 80 Dry Flowable on plant species not recommended on this label.

Chemigation: Do not apply Snapshot 80 Dry Flowable through any type of irrigation system.

In Arizona: The state of Arizona has not approved Snapshot 80DF for use on plants grown for commercial production such as: turf sod farms, ornamentals and nursery stock grown for resale, and non-bearing fruit and nut trees and vineyards.

Mixing and Application Directions

Snapshot 80 Dry Flowable - Alone

Check to be sure spray equipment is clean and not contaminated. Using clean water, fill spray tank to 1/2 the final volume required and start agitation. Slowly add the correct quantity of Snapshot 80 Dry Flowable to the spray tank, continue agitation and complete filling the tank. Maintain agitation during filling and through application. Agitation should be sufficient to create a rippling or rolling action on the liquid surface. A sparger pipe generally provides the best agitation. If spraying and agitation is interrupted, Snapshot 80 Dry Flowable may settle to the bottom of the spray tank. If settling occurs, material must be resuspended before spraying continues. Clean spray tank, lines, screens and nozzles thoroughly after use.

Snapshot 80 Dry Flowable - Tank Mixes

Add Snapshot 80 Dry Flowable to the spray tank as described above and fill the spray tank to 3/4 of final volume required. Add other product formulations in the following order: (1) dry flowables, (2) wettable

powders, (3) aqueous suspensions, (4) flowables, (5) liquids, (6) solutions and emulsifiable or liquid concentrates. To insure proper mixing, allow two to three minutes agitation between the addition of each product, and agitate continuously until the product(s) are completely dispersed in water. Maintain agitation during filling and through application. If a buildup of material is observed on the walls of the spray tank, wash the tank with soapy water between fillings, rinse and then continue the spraying operation. Clean spray tank, lines, screens and nozzles thoroughly after use. Follow label directions for each material added to the tank.

Application

Apoly Snapshot 80 Dry Flowable as a directed spray to the soil surface or overtop of plants using a properly calibrated low pressure herbicide sprayer that provides a uniform distribution. Spray tip screens should be no finer than 50 mesh. In-line screens and strainers should be no finer than 16 mesh (50 mesh is finer than 16 mesh). Apply Snapshot 80 Dry Flowable in 10 to 200 gallons of water carrier per acre (0.25 to 5 gallons per 1000 sq ft). As spray volume decreases, the importance of accurate calibration and uniform application increases. Calibrate application equipment prior to use, according to manufacturer's directions to ensure proper calibration and uniform application. Maintain continuous agitation from mixing through application. Take precautions to avoid spray drift when applying Snapshot 80 Dry Flowable. Drift may result in reduced germination or emergence of non-target plants adjacent to the treated area. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over application.

Application Rates and Weeds Controlled or Suppressed by Snapshot 80 Dry Flowable

Weeds controlled when applied at 2.5 pounds (2 bags) per acre (0.92 oz or 2 level scoopfuls per 1000 sq ft).

Common Name

aster, slender barnyardgrass bluegrass, annual bursage, annual celery, wild

chickweed, common clover, white crowfootgrass cudweed, purple fiddleneck, coast filaree, redstern fleabane, blackleaved fleabane, dwarf

foxtail

groundcherry, lanceleaf

henbit horseweed

knotweed, prostrate lambsquarters, common

mallow, little mustard, Indian mustard, wild nightshade, black pepperweed, Virginia

pigweed pineappleweed plantain, slender purslane, common radish, wild

ragweed, common rocket, London

Scientific Name

Aster exilis

Echinochloa crus-galli

Poa annua

Arribrosia acanthicarpa Apium eptophyllum Stellaria media Trifolium repens

Dactyloctenium aegyptium Gnaphalium purpureum Amsinckia intermedia Erodium cicutarium Conyza bonariensis Conyza ramosissima

Setaria spp.
Physalis lanceifolia
Lamium amplexicaule
Conyza canadensis
Polygonum aviculare
Chenopodium album
Malva parviflora
Brassica iuncea

Brassica juncea
Sinapis arvensis
Solanum nigrum
Lepidium virginicum
Amaranthus spp.
Matricaria matricarioides
Plantago elongata
Portulaca oleracea
Raphanus raphanistrum
Ambrosia artemisiifolia

Sisymbrium irio

rockpurslane, desert shepherdspurse

shara

smartweed, Pennsylvania

sowthistle, annual speedwell, purslane spurge, spotted telegraphplant thistle, Russian

velvetical

Calandrinia ciliata Caosella bursa-pastoris

Sibara virginica

Polygonum pensylvanicum

Sonchus oleraceus Veronica peregrina Euchorbia maculata Heterotheca grandiflora

Salsola iberica Abutilon theophrasti

in addition to the weeds listed at the 2.5 pound per acre rate, the following weeds will be controlled at 3.75 pounds (3 bags) per acre (1.38 oz or 3 level scoopfuls per 1000 sa ft).

Common Name

aster, heath bittercress

bittercress, hairy brassbuttons, southern

carrot, wild chamberbitter chickweed, mouseear

craborass dandelion ectipta

galinsoga, hairy geranium, Carolina doosedfass

groundsel, common

junglerice ladysthumb lettuce, prickly mallow, dwarf marestail mayweed

morningglory, ivyleaf mustard, black

oat, wild pennywort

phyllanthus, long-stalk plantain, bracted plantain, broadleaf plantain, buckhorn pokeweed, common rockpurslane, redmaids

ryegrass, annual

sida, prickly signalgrass somell, red speedwell, thymeleaf sprangletop, red spurge, hyssop

sweetclover, yellow tansymustard, green

witchgrass woodsorrel, yellow

Scientific Name

Aster ericoides

Cardamine olioosperma Cardamine hirsuta Cotula australis Daucus carota

Phyllanthus urinaria Cerastium vulgatum

Dioitaria soo.

Taraxacum officinale Eclipta prostrata Galinsoga ciliata Geranium carolinianum

Eleusine indica Senecio vulgaris Echinochloa colonum Polygonum persicaria Lacutca serriola Malva rotundifolia Hippuris vulgaris Anthemis cotula

Ipomoea hederacea Brassica nigra Avena fatua Hydrocotyle spp. Phylianthus tenellus Plantago aristata Plantago major Plantago lanceolata Phytolacca americana

Calandrinia ciliata var. menziesii

Lollum multiflorum Sida soinosa Bracharia spp. Rumex acetosella Veronica serpyllifolia Leptochioa filitormis Euphorbia hyssopifolia Melilotus officinalis

Descurainia pinnata spp. brachy xarpa

Panicum capillare Oxalis stricta

in addition to the weeds listed at the 2.5 pound per acre and 3.75 pound per acre rates, th. following weeds will be controlled at 5 pounds (4 bags) per acre (1.84 oz or 4 level 5. sopfuls per 1000 sq ft).

Common Name

barley, little

burdover, California

carpetweed

cupgrass, Southwestern

datura

doofennel

eveninoprimrose fescue, rattail filaree, whitestem goosefoot, nettleleaf

iimsonweed

knotweed, silversheath

kochia medic, black mullein, turkey nettle, burning

oxtongue, bristly panicum, browntop panicum, fall

pimpernel, scarlet puncturevine pusley, Florida sandbur, field sowthistle, spiny

spurge, petty spurge, prostrate stinkarass sunflower swinecress

thistle, musk willoweed, panicle woodsorrel, creeping Scientific Name

Hordeum leporinum Medicado polymorpha Moltugo verticillata Eriochloa gracilis

Datura spp.

Eupatorium capillifolium

Oenothera spp. Vulpia myuros Erodium moschatum Chenopodium murale Datura stramonium Polygonum argyrocoleon

Kochia scoparia Medicago lupulina Eremocarpus setigerus

Urtica urens Picris echioides Panicum fasciculatum Panicum dichotomiflorum

Anagallis arvensis Tribulus terrestris Richardia scabra Cenchrus incertus Sonchus asper Euphorbia peplus Euphorbia humistrata Eragrostis cilianensis Helianthus soo. Coronopus didymus Carduus nutans Epilobium paniculatum

Oxalis comiculata

in addition to the weeds controlled, the following weeds will be partially controlled or suppressed at 5.0 pounds (4 bags) per acre (1.84 oz or 4 level scoopfuls per 1000 sq ft).

Common Name

bindweed, field

dock, curty

johnsongrass (seedling) mallow, common mallow. Venice

milkweed, climbing

milkweed, honeyvine morninggiory, tall panicum, Texas wheat, volunteer

Scientific Name

Convolvulus arvensis Rumex crisous

Sorohum halapense Malva neglecta Hibiscus trionum

Sarcostemma cynanchoides

Ampelamus albidus Inomoea purpurea Panicum texanum Triticum soo.

9	napshot 80	Dry Flowable	Broadcast Rate	98
per	acre		per 1000 sq f	t
Pounds	Baga	Ounces	Scoopfuls	Tablespoons
2.5	2	0.92	2	4
3.75	3	1.38	3	6
5.0	4	1.84	4	8

Approved Uses

Snapshot 80 Dry Flowable herbicide is a preemergence herbicide for control of certain annual grasses and broadleaf weeds in: landscape ornamentals; container grown ornamentals; nursery stock; ground covers; ornamental bulbs; non-bearing fruit and nut trees and non-usaring vineyards; Christmas tree plantations; non-cropland.

Apply Snapshot 80 Dry Flowable anytime prior to germination of target weeds, or immediately after cultivation.

Refer to the "General Information" section of this label for general use precautions, mixing and application directions, and information on application rates and weeds controlled.

Tank Mixing

Tank mix combinations of Snapshot 80 Dry Flowable plus Roundup or other labeled herbicides may be used to control undesirable vegetation in ornamental areas. Applied as directed, these tank mixes will provide control of susceptible weed species listed on the respective labels. Refer to tank mix product labels for specific use directions, precautions and limitations before use.

Snapshot 80 Dry Flowable Plus Roundup: Tank mix combinations of Snapshot 80 Dry Flowable plus Roundup are recommended to control existing undesirable vegetation. Applied as directed, Snapshot 80 Dry Flowable plus Roundup will provide postemergence control of susceptible weed species listed on the label for Roundup and residual preemergence control of susceptible weed species listed on the label for Snapshot 80 Dry Flowable. Refer to the label for Roundup for specific use directions, precautions and limitations before use.

Precautions:

Do not apply sprays containing Roundup over the top of ornamental plants. Extreme care must be exercised to prevent contact of sprays containing Roundup with follage and stems of trees, shrubs, or other desirable vegetation since severe damage or death may result. Note: If apraying with Roundup in areas adjacent to desirable plants, use a shield to prevent spray from contacting follage and stems of desirable plants.

Special Use Precautions

To avoid possible injury, do not apply Snapshot 80 Dry Flowable to:

- Nursery seedbeds or forest or Christmas tree seedling transplant beds.
- Unrooted liners or cuttings that have been planted in pots for the first time.
- Rooted liners until they have been removed from their original growing containers and placed in new containers at least two weeks prior to treatment.
- Pots less than four inches wide.
- Bedding plants or areas where bedding plants will be planted or transplanted within one year following application.
- Ground covers until they are established and well rooted.
- Omamental plantings where the likelihood of runoff onto turf areas exists.

Apply Snapshot 80 Dry Flowable only to established plantings. Do not apply Snapshot 80 Dry Flowable to newly transplanted ornamentals, nursery stock, ground covers, ornamental bulbs, non-

bearing[†] fruit and nut trees and non-bearing vineyards or Christmas trees until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or plant injury may occur.

[†]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.

Where loss of stand has occurred in field grown ornamentals, use untreated soil as fill around roots when replacing plants or injury may occur.

Repeat applications at 3.75 pounds per acre and higher of Snapshot 80 Dry Flowable should not be made sooner than 90 days after a previous application of Snapshot 80 Dry Flowable. Do not apply more than 15 pounds per acre total of Snapshot 80 Dry Flowable within a 12 month period.

Treatment of Plant Species Not Listed on the Label for Snapshot 80 Dry Flowable Users who wish to use Snapshot 80 Dry Flowable on plant species not recommended on this label may determine the suitability for such uses by making a trial application of Snapshot 80 Dry Flowable at a recommended rate to a small number of plants. Prior to using Snapshot 80 Dry Flowable on a larger number of plants, 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 Snapshot 80 Dry Flowable on plant species not recommended on this tabel.

Note: Do not apply Snapshot 80 Dry Flowable to the following plant species or Injury may occur:

Ajuga spp. (bugle)
Brassica spp. (mustard)
Deutzia gracilis (slender deutzia)
Euonymus alatus 'compacta' (dwarf burning bush)
Euphorbia spp. (spurge)
Hydrangea spp. (hydrangea)
Iberis spp. (candytuft)
Juniperus horizontalis 'Prince of Wales' (Prince of Wales Juniper)
Melaleuca quinquenervia (cajeput tree)
Pseudotsuga menziesii (Douglas-fir)
Rhododendron caroliniaum (Carolina rhododendron)
Rhododendron catawbiense 'Roseum elegans' (Roseum elegans rhododendron)
Sedum spp. (stonecrop)
Thuja occidentalis 'Techny' (Techny arborvitae)

Tsuga canadensis (eastem hemlock) Yucca recurvitolia (green yucca)

Ice Plant: When establishing unrooted ice plant on coarse textured soils, do not exceed the 3.75 pound per acre rate of Snapshot 80 Dry Flowable or injury may occur.

Snapshot 80 Dry Flowable may be used on the following established plant species: (Note: Limitations on recommended treatment methods).

Trees

Trees	
	Recommended Treatment Method: C = Container Grown
Scientific Name/Common Name	<u>F = Field Grown</u>
Abies concolor	
White 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 gimmala	
Flame maple	F
Acer rubrum	
Red sunset red maple	F
Acer saccharinum	
Silver maple	F
Arecastrum romanzoffianum	
Queen palm	F
Betula papyrifera	
Paper birch	F
Betula nigra	
River birch	F
Bucida buceras	
Black olive	F
Ceratonia siliqua	•
Carob	F
Cercis canadensis	•
Redbud	C,F
Chamaecyparis obtusa spp.	5 ,.
Filicoides-fernspray cypress	F
Gracilis-slender Hinoki cypress	F
Chamaecyparis pisifera	•
Sawara-false cypress	F
Squarrosa-moss cypress	F
Chamaedorea cataractarum	•
Cat Palm	F
	r
Chamaedurea costaricana	F
Palm Champadage s/sees	r
Chamaedorea elegans	F
Parior palm	r
Cornus florida	_
Flowering dogwood	F
Crupaniopsis anacardioides	_
Carrot wood	F
Cupressus glabra	_
Artzona cypress	F
Elaeagnus angustifolia	
Russian olive	C,F

Eucalyptus cinerea Mealy eucalyptus	F
Silver dollar eucalyptus	F
Eucalyptus camaldulensis	_
Red gum eucalyptus	F
Eucalyptus sideroxylori Red ironbark eucalyptus	F
Ficus benjamina	•
Ficus	F
Ginko bik.ba	F
Maidenhair tree Gleditsia triacanthos	Г
Honey locust	F
Heteromeles arbutiflora	
Toyon	F
Juniperus virginiana	F
Eastern redcedar Liquidambar styraciflua	F
American sweet gum	F
Magnolia grandiflora	
Southern magnolia	F
Morus alba	_
White mulberry Picea abies	F
Norway spruce	F
Picea glauca conica	·
Dwarf Alberta spruce	F
Picea pungens spp.	_
Glauca-Colorado blue spruce	F
Hoopsii-Hoop's blue spruce Koster-Koster blue spruce	F
Pinus aristata	•
Bristlecone pine	F
Pinus canariensis	_
Canary Island pine	F
Pinus contorta	F
Shore pine Beach pine	F
Pinus eldarica	•
Eldarica pine	F
Pinus radiata	_
Monterey pine	F
Pinus strobus Eastern white pine	F
Pinus sylvestris	•
Scotch pine	F
Pinus thunbergiana	
Japanese black pine	F
Platanus occidentalis	
American sycamore Platanus racemosa	r
California sycamore	F
Podocarpus spp.	•
Podocarpus	ı
Populus deltoides	_
Cottonwood	J
Prunus yedoensis Yoshino flowering cherry	1
. serme nemoning entitle	•

Quercus ilicifolia	_
Bear oak	۴
Quercus palustris Pin oak	F
Quercus phellos	•
Willow oak	F
Quercus rubra	
Red oak	C,F
Salix babylonica	_
Babylon weeping willow	F
Corkscrew willow Sequoladendron giganteum	r
Giant sequoia	F
Swietenia mahogani	•
Mahogany	F
Tabebuia caraiba	
Yellow tab	F
Ulmus parvitolia	_
Chinese Elm	F
Washingtonia robusta Mexican fan palm	F
Mexical Idii parii	E.
Ornamental Shrubs	
	Recommended
	Treatment Method:
	C = Container Grown
Scientific Name/Common Name	<u>F = Fle!d Grown</u>
Abelia grandiflora	_
Claamiahalia	
Glossy abelia	F
Acacia redolens	•
Acacia redolens Prostrate acacia	F
Acacia redolens Prostrate acacia Agave americana	•
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis	F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea	F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis	F F C,F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush	F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii	F F C,F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry	F F C,F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry	F F C,F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry	F F C,F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pilularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygrny barberry Bougainvillea spp. Barbara Karst	F C,F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygmy barberry Bougainvillea spp. Barbara Karst California Gold	F C,F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygmy barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn	F F C,F F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygmy barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara	F C,F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygmy barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica	F F C,F F F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pilularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygrny barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica Japanese boxwood	F F C,F F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygmy barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica	F F F F F F F C,F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pilularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygrny barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica Japanese boxwood Buxus sempervirens	F F C,F F F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pilularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygrny barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica Japanese boxwood Buxus sempervirens Common boxwood Callisternon citrinus Lemon bottlebrush	F F F F F F F C,F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pitularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygmy barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica Japanese boxwood Buxus sempervirens Common boxwood Callisternon citrinus Lemon bottlebrush Ceanothus spp.	F F C,F F C,F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pilularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygrny barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica Japanese boxwood Buxus sempervirens Common boxwood Callisternon citrinus Lemon bottlebrush Ceanothus spp. Wild liac	F C,F F F F C,F C,F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pilularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygrny barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica Japanese boxwood Buxus sempervirens Common boxwood Callisternon citrinus Lemon bottlebrush Ceanothus spp. Wild liac Chamaecyparis obtusa spp.	F F C,F F F F F F F F F F F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pilularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygrny barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica Japanese boxwood Buxus sempervirens Common boxwood Callisternon citrinus Lemon bottlebrush Ceanothus spp. Wild llac Chamaecyparis obtusa spp. Kosteri cypress	F F C,F F F F F F F F F F
Acacia redolens Prostrate acacia Agave americana Century plant Astilbe chinensis False spirea Baccharis pilularis Coyotebush Berberis thunbergii Atropurea-Redleaf Japanese barberry Aurea golden Japanese barberry Crimson pygrny barberry Bougainvillea spp. Barbara Karst California Gold Texas Dawn Scarlet O'Hara Buxus microphylla japonica Japanese boxwood Buxus sempervirens Common boxwood Callisternon citrinus Lemon bottlebrush Ceanothus spp. Wild liac Chamaecyparis obtusa spp.	F F C,F F F F F F F F F F F F F F

Chamaecyparis pisifera spp. Filifera-thread cypress	F
Chrysalidocarpus lutescens	•
Areca paim	F
Cleyera japonica	
Japanese cleyera	C,F
Cotoneaster adpressus Praecox-early cotoneaster	F
Cotoneaster apiculatus	•
Cranberry cotoneaster	C,F
Cotoneaster congestus	
Pyrenees cotoneaster	F
Cotoneaster dammeri	^ E
Bearberry cotoneaster Cotoneaster himalayan	C, F
Himalayan cotoneaster	F
Cotoneaster horizontalis	
Rock cotoneaster	C,F
Corr.us alba	_
Sibirica-Siberian dogwood	F
Cornus stolonifera Flaviramea-yellowtwig dogwood	F
Cytisus praecox	•
Hoiandia-warminster broom	F
Cytisus scoparius	_
Lena-Scotch broom	F
Deutzia crenata	F
Nakiana dwarf deutzia Dodonea viscosa	Г
Hopseed bush	F
Euonymus fortunei	
Canadale gold euonymus	F
Emerald'n gold euonymus	F
Euonymus japonica	F
Silver king euonymus Euonymus kiautschovica	r
Spreading euonymus	F
Forsythia intermedia	
Forsythia	F
Gardenia jasminoides	٥.
Gardenia	C,F
Genista pilosa Woadwaxen	F
Hibiscus rosa-sinensis	•
Ross Estey hibiscus	F
Hibiscus syriacus	
Rose of Sharon, Red Bird	Ę
Rose of Sharon, Red Heart	F F
Rose of Sharon, Woodbridge Ilex aquifolium	Г
Balkans holly	F
Gold coast holly	F
llex aquipernyi	
San Jose holly	C,F
lie A comuta	^-
Dwarf burlord holly	C,F

llex crenata	
Convexa holly	C,F
Compacta-dwarf Japanese holly	C,F
Helleri-Heller's Japanese holly	C,F
llex glabra	
Nordica-Inkberry holly	F
llex meserveae	
Blue girl holly	F
Blue boy holly	F
Ebony magic holly	F
llex vomitoria	
Nana-dwarf yaupon holly	C,F
Pendula-weeping yaupon holly	C,F
Juniperus chinensis	
Media-old gold juniper	C,F
Juniperus conferta	•
Emerald sea shore juniper	F
Juniperus horizontalis	
Huntington blue juniper	C,F
Wiltonii blue rug juniper	C,F
Juniperus procumbens	
Nana-dwarf Japanese	
garden juniper	C,F
Juniperus prostrata	
Prostrata juniper	C,F
Juniperus sabina	• •
Broadmoor juniper	F
Foemina-Hicks juniper	F
Tamariscifolia-tam juniper	F
Juniperus scopulorum	•
Emerald green juniper	F
Juniperus squamata	
Blue juniper	F
Blue star juniper	F
Parsonii juniper	F
Lagerstroemia indica	
Crape myrtle	C,F
Leucothoe axiliaris	- •
Coast leucothoe	F
Leucothoe fontanesiana	·
Drooping leucothoe	F
Ligustrum japonicum	-
Japanese privet	C,F
Yellow tip ligustrum	C,F
Ligustrum lucidum	- •
Glossy privet	C,F
Ligustrum ovalifolium	-,-
California privet	F
Ligustrum texanum	
Wax leaf privet	F
Howardi privet	F
Ligustrum vicaryi	•
Vicary golden privet	F
Livistona chinensis	•
Chinese fountain palm	F
Lonicera fragrantissima	•
Winter honeysuckle	F
	•

Lonicera periclymenum Flowering woodbine	F
Serotina woodbine	F
T T T	Г
Lonicera sempervirens	F
Trumpet honeysuckle	F
Nandina domestica	
Heavenly bamboo	C,F
Compacta-dwarf heavenly bamboo	C,F
Nana compacta-heavenly bamboo	C,F
Nana purpurea-heavenly bamboo	C,F
Harbour dwarf-heavenly bamboo	C,F
Woods dwarf-heavenly bamboo	C,F
Nenum oleander	
Oleander	C,F
Hardy red oleander	C,F
Ruby lace oleander	C,F
Pachysandra terminalis	
Japanese spurge	F
Phoenix roebelenii	
Pygmy date palm	F
Photinia fraseri	
Fraser's photnia	C,F
Picea abies	•
Pendula-weeping Norway spruce	F
Repens-spreading Norway spruce	F
Pieris japonica	
Lily of the valley	F
Snowdrift lily-of-the-valley	F
Temple bells lily-of-the-valley	F
Valley rose lily-of-the-valley	F
Pittosporum tobira	•
Tobira, green pittosporum	F
Tobira, Wheeler's dwarf	F
Plumbago ariculata	•
Blue cape plumbago	F
Podocarpus macrophyllus	•
Yewpine	F
Potentilla fragiformis	•
Cinquefoil	F
Potentilla fruticosa	•
Cinquefoil	C,F
Pyracantha fortuneana	O ,1
Lalendel Monrovia pyracantha	F
Monon pyracantha	F
Red elf hybrid pyracantha	F
Rutgers hybrid-pyracantha	F
Santa Cruz pyracantha	F
	F
Victory pyracantina	Г
Rhaphiolepis Indica	_
Enchantress-Moness rhaphiolepis	F
India hawthorn	F
Springtime-Monme rhaphiolepis	F
Rhaphiolepis ovata	_
Round-leaf rhaphiolepis	F

Rhododendron spp. (including azaleas Azaleas)
Rhododendron calensulaceum	
Flame azalea	F
Rhododendron indica	
Formosa azalea	C,F
Waucabusa azalea	C,F
Rhododendron kerume	-,-
Coral bells azalea	C.F
Hino crimson azalea	C,F
Hino pink azalea	C.F
Snow azalea	CF
Rhododendron satuski	•
Gumpo pink azalea	F
Higasa azalea	F
Rhododendron spp. hybrids	
Carror azalea	C,F
Girard Roberta azalea	F
Golden flare exbury azalea	F
Rhododendrons	
Rhododendron campylocarpum	
Butterfly rhododendron	F
Rhododendron carolinianum x daurium	
PJM rhodoclendron	F
Rhododendron catawbiense	
Catawba rhododendron	C,F
Catawba album rhododendron	C,F
Lord Robert rhododend:on	C,F
Rocket rhododendron	C,F
Rhododendron caucasium x ponticum	
Cunningham white rhododendron	F
Rhododendron forrestii x griersonianum	
Elizabeth rhododendron	F
Rhododendron griffithianum	
Jean Marie rhododendron	F
F`hododendron impeditum	_
Rhododendron	F
Rhododendron maximum	
Rhodie niax (Rosebay)	C,F
Rhododendron mucronulatum	_
Rhododendron	F
Rhododendron ponticum	_
Cirioniodes rhododendron Daphnoides	F
Rhodog andron sassthigiatim x carolinianum	_
Ra:napo rhododendron	F
Rhodudendron hybrid spp.	_
America rhododendron	F
English roseum rhododendron	F
Nova zembla rhododendron	F
Scintillation rhododendron	F
Rhus lancea	
African surnac	C,F
Rosa rugosa	_
Ramanas rose	F
Rosmarinus officinalis	_
Rosemary	F
Spiraea vanhouttii	_
Bridal wreath	F

A 1 1 3-	
Syringa vulgaris	_
Common lilac	F
Taxus cuspidata	_
Japanese yew	F
Thuja occidentalis	
Emerald arborvitae	F
Globosa-globe arborvitae	F
Little Glant-dwarf arborvitae	F
Nigra-dark American arborvitae	F
Pyramidalis-pyramid arborvitae	F
Rheingold arborvitae	F
Woodwardii arborvitae	F
Thuja orientalis	•
Aureus nana-dwarf golden arborvitae	F
: Ainima glauca-dwarf arborvitae	F
Veitchia merilli	
	F
Christmas palm	Г
Viburnum davidii	_
David viburnum	F
Viburnum japonicum	_
Viburnum	F
Viburnum opulus sterile	_
Eastern snowball viburnum	F
Viburnum plicatum tomentosum	
Poublefile viburnum	F
Vibunum x pragense	
Viburnum	F
Viburnum setigerum	
Tea virburnum	F
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Viburnum tinus compactum	·
Viburnum tinus compactum Spring bouquet viburnum	F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactum	F
Vibumum tinus compactum Spring bouquet vibumum Vibumum trilobium compactuin Dwarf cranberry bush	·
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida	F F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela	F F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela	F F F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela	F F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum	F F F F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela	F F F
Vibumum tinus compactum Spring bouquet vibumum Vibumum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma	F F F F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum	F F F F
Vibumum tinus compactum Spring bouquet vibumum Vibumum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma	F F F Recommended
Vibumum tinus compactum Spring bouquet vibumum Vibumum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma	F F F Recommended Treatment Method:
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers	F F F Recommended
Vibumum tinus compactum Spring bouquet vibumum Vibumum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma	F F F Recommended Treatment Method:
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers	F F F Recommended Treatment Method: C = Container Grown
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula	F F F Recommended Treatment Method: C = Container Grown
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed	F F F Recommended Treatment Method: C = Container Grown F = Fleid Grown
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xytosma congestum Xytosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis	F F F Recommended Treatment Method: C = Container Grown F = Field Grown
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceplant	F F F Recommended Treatment Method: C = Container Grown F = Fleid Grown
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceplant Cortaderia selloana	F F F Recommended Treatment Method: C = Container Grown F = Field Grown F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceplant Cortaderia selloana Pampas grass	F F F Recommended Treatment Method: C = Container Grown F = Field Grown
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceptant Cortaderia selloana Pampas grass Delosperma alba	F F F Recommended Treatment Method: C = Container Grown F = Field Grown F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceplant Cortaderia selloana Pampas grass Delosperma alba White iceplant	F F F Recommended Treatment Method: C = Container Grown F = Field Grown F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xytosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceptant Cortaderia selloana Pampas grass Delosperma alba White iceptant Drosanthemum floribundum	F F F Recommended Treatment Method: C = Container Grown F = Field Grown F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceplant Cortaderia selloana Pampas grass Delosperma alba White iceplant Drosanthemum floribundum Trailing rosea iceplant	F F F Recommended Treatment Method: C = Container Grown F = Field Grown F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceplant Cortaderia selloana Pampas grass Delosperma alba White iceplant Drosanthemum floribundum Trailing rosea iceplant Gazania spp.	F F F Recommended Treatment Method: C = Container Grown F = Field Grown F
Viburnum tinus compactum Spring bouquet viburnum Viburnum trilobium compactuin Dwarf cranberry bush Weigela florida Bristol ruby weigela Java red weigela Minuet weigela Xylosma congestum Xylosma Ground Covers Scientific Name/Common Name Arctotheca calendula Cape weed Carpobrotus edulis Largeleaf iceplant Cortaderia selloana Pampas grass Delosperma alba White iceplant Drosanthemum floribundum Trailing rosea iceplant	F F F Recommended Treatment Method: C = Container Grown F = Field Grown F

Hedera canariensis	
Algerian ivy	F
Hedera helix	
English Ivy	F
Hemerocallis spp.	
Dayily	C,F
Hosta lancifolia	
Albo-marginata hosta	C,F
Hypericum spp.	
St. Johnswort	F
Lampranthus spectabilis	
Trailing iceplant	F
Liriope gigantea	
White tily turi	F
Liriope muscari	
Big blue lily turf	C,F
Lilac beauty lily turf	C,F
Lilac beauty lily turf Magestic lily turf	C,F C,F
Lilac beauty lily turf Magestic lily turf Monroe white lily turf	C,F C,F C,F
Lilac beauty lily turf Magestic lily turf Monroe white lily turf Silvery sunproof lily turf	C,F C,F C,F
Lilac beauty lity turf Magestic lity turf Monroe white lity turf Silvery sunproof lity turf Variegated linope lity turf	C,F C,F C,F
Lilac beauty lity turf Magestic lity turf Monroe white lity turf Silvery sunproof lity turf Variegated linope lity turf Lonicera japonica	C,F C,F C,F C,F
Lilac beauty lity turf Magestic lity turf Monroe white lity turf Silvery sunproof lity turf Variegated linope lity turf Lonicera japonica Japanese honeysuckle	C,F C,F C,F
Lilac beauty lity turf Magestic lity turf Monroe white lity turf Silvery sunproof lity turf Variegated liriope lity turf Lonicera japonica Japanese honeysuckle Ophiopogon japonicus	C,F C,F C,F C,F
Lilac beauty lity turf Magestic lity turf Monroe white lity turf Silvery sunproof lity turf Variegated liriope lity turf Lonicera japonica Japanese honeysuckle Ophiopogon japonicus Mondo grass	C,F C,F C,F C,F
Lilac beauty lity turf Magestic lity turf Monroe white lity turf Silvery sunproof lity turf Variegated liriope lity turf Lonicera japonica Japanese honeysuckle Ophiopogon japonicus Mondo grass Osteospermum fruticosum	C,F C,F C,F C,F
Lilac beauty lity turf Magestic lity turf Monroe white lity turf Silvery sunproof lity turf Variegated liriope lity turf Lonicera japonica Japanese honeysuckle Ophiopogon japonicus Mondo grass Osteospermum fruticosum Trailing African daisy	C,F C,F C,F C,F
Lilac beauty lity turf Magestic lity turf Monroe white lity turf Silvery sunproof lity turf Variegated liriope lity turf Lonicera japonica Japanese honeysuckle Ophiopogon japonicus Mondo grass Osteospermum fruticosum	C,F C,F C,F C,F

Ornamental Bulbs

Snapshot 80 Dry Flowable may be applied for control of susceptible annual weeds in ornamental bulbs such as bulbous iris, daffodil (narcissus), gladiolus, hyacinth, and tulip. Apply Snapshot 80 Dry Flowable to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. Snapshot 80 Dry Flowable may also be applied following emergence but prior to and after flowering. For fall planted bulbs; apply Snapshot 80 Dry Flowable again in late winter or early spring to weed-free soil surfaces.

Special Use Precautions:

Do not apply to tulip plants that have emerged to a height greater than 3/4 inch.

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

Do not apply to bulbous plants during flowering.

Broadcast Application Rates

		Snapshot_80	Dry Flowable
Time of Application	Soll Texture	pounds per acre	oz per 1000 sq ft
Fali	Coarse	1.25	0.46
Fall	Medium and Fine	2.5	0.92
Feb March	All Soil Textures	1.25	0.46

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

	Recommended Treatment Method: C = Container Grown
Common Name	E = Field Grown
almond	Ē
apple	F
apricot	F
avocado	F
blackberry	F
blueberry	F
boysenberry	F
cherry, sour	F
cherry, sweet	F
currant	F
dewberry	F
elderberry	F
fig	F
filbert	F
gooseberry	r F
grape, American	r F
grape, European	r F
grapefruit kiwi	F
	r F
lemon	F
loganberry macadamia nut	F
nectarine	F
Olive	F
orange, sweet	F
peach	, F
pear	F
pecan	F
pistachio	F
plum	· F
pomegranate	F
bune	, F
raspberry	F
walnut, black	, F
walnut, English	F
MENDY CIRCLE	

†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

Snapshot 80 Dry Flowable Alone

Apply Snapshot 80 Dry Flowable as a directed spray to the soil surface or as an overtop spray to established plantings of field grown Christmas tree species listed in this label. Do not apply to Douglas-fir (*Pseudotsuga menziesil*) 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. Follow all instructions provided in the "General Information" section of this label.

Tank Mix Combinations

Tank mix combinations of Snapshot 80 Dry Flowable plus other labeled herbicides may be used as directed or overtop sprays in established Christmas tree plantings. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions and limitations before use.

Snapshot 80 Dry Flowable Plus Roundup: Apply tank mix combinations of Snapshot 80 Dry Flowable plus Roundup only as directed sprays in Christmas tree plantings. When applied according to use directions, Snapshot 80 Dry Flowable plus Roundup will provide posternergence control of susceptible weed species listed on the label for Roundup and residual preemergence control of susceptible weed species listed on the label for Snapshot 80 Dry Flowable. Refer to the label for Roundup for specific use directions; precautions and limitations before use.

Special Use Precautions:

Do not apply sprays containing Roundup over the top of Christmas tree plantings.

Extreme care must be exercised to avoid contact of spray containing Roundup with foliage and stems of Christmas trees or severe damage or death may result.

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

Snapshot 80 Dry Flowable is recommended as a preemergence treatment for control of certain annual grasses and broadleaf weeds in non-cropland areas, including industrial sites, utility substations, highway guardrails, sign posts and delineators. Apply Snapshot 80 Dry Flowable anytime 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. Refer to the general use precautions, mixing and application directions, and information on application rates and weeds controlled. Snapshot 80 Dry Flowable is compatible and may be tank mixed with other herbicides registered for use on noncropland. Applied as directed, tank mixes containing Snapshot 80 Dry Flowable will provide control of susceptible weed species listed on the respective labels. All directions, precautions and limitations on the respective product labels apply to the tank mix use.

Warranty Disclaimer

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

Inherent Risks of Use

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

Limitation of Remedies

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

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

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

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

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[Base Label of Lam. Bklt]

(logo) DowElanco

Snapshot* 80 Dry Flowable

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

- -Landscape ornamentals
- Container grown ornamentals
- Nursery stockGround covers
- Ornamental bulbs

- Non-bearing fruit and nut trees and non-bearing vineyards
- -Christmas tree plantations
- •Non-cropland

Active Ingredients:

isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-	
dimethoxybenzamide and isomer	20.0%
oryzalin: 3,5-dinitro-N ⁴ ,N ⁴ -dipropylsulfanilamide	60.0%
Inert Ingredients	20.0%
Total	
Contains 0.80 pounds active ingredient per pound.	

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION

Causes Eye irritation Or Injury - Harmful If Inhaled

Avoid breathing dust, vapor or spray mist, and contact with eyes, skin or clothing. Use protective clothing such as coveralle, a long-eleeved shirt and shoes when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

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

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables. use deteroent 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 out on clean clothing.

First Aid

If In eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If swallowed: Do not induce vorniting. Call a physician or Poison Control Center. If available, administer activated charcoai (6-8 heaping teaspoonfuls) with large quantity of water. Do not induce vorniting or give anything by mouth to an unconscious person. Immediately transport to a medical facility and see a physician.

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

If Inhaled: Remove victim to fresh air. If not breathing, provide artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Drift may result in reduced germination or smergence of nontarget plants adjacent to treated area.

Refer to attached label booklet for additional precautionary information and Directions for Use Including STORAGE AND DISPOSAL.

EPA Reg. No. 62719-174 20119 *Trademark of DowElanco EPA Est. 464-MI-1 900-00xxx

EPA acceptance date of currentlabeling: 07/13/92 Revised 06/01/93

Amendments:

1) Added label statements required by the Worker Protection Standard.