

PM 23

961-370

1-21-98

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7595C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
961-370

Date of Issuance:
JAN 21 1998

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Lebanon Preen Pro
1.875G

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Lebanon Chemical Corporation
P.O. Box 180
Lebanon, PA 17042

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c) (5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 961-370."
 - b. All Personal Protection Equipment (PPE) statements for applicators and other handlers must appear in the Precautionary Statement section. Please place the PPE, the User Safety Recommendations box, and First Aid statements under the Precautionary Statements section.
 - c. On pages 1 and 2, in the Personal Protection Equipment and Agricultural Use Requirement section, please delete the word "waterproof" and replace the word with "chemical resistant".

Signature of Approving Official:

Date:
JAN 21 1998

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- d. You must include the following safety recommendation in the User Safety Recommendation box:

"Remove PPE immediately after handling this product. Wash outside of gloves, wash thoroughly and change into clean clothes."
 - e. In the Precautionary Statements section under Environmental Hazards, the first sentence of the paragraph, "This pesticide is toxic to fish," must be superseded by "This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster."
3. Make the following changes to your basic and alternate formulation CSFs:
 - a. Revise your basic and alternate formulation CSFs, per Agency review dated Jan 6, 1998. Submit the revised CSFs within 30-days of the notice.
 4. Submit two copies of the revised final printed label for the record.

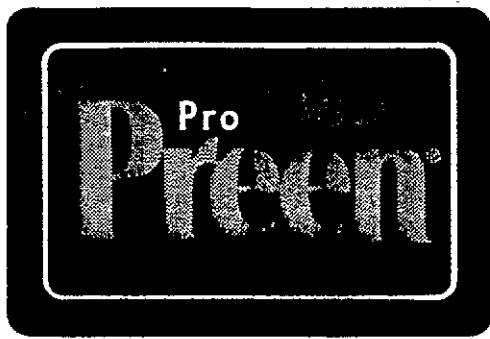
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

On April 30, 1996, the Agency issued a Reregistration Eligibility Decision (RED) for the active ingredient, trifluralin. This product registration relies on acute toxicology and product chemistry data from a trifluralin product which is undergoing reregistration. Depending on the outcome of the Agency's review of these data, you may be required to submit additional data and/or revise the product label to support the continued registration of this product.

A stamped copy of the label is enclosed for your records.

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

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Active Ingredients:

trifluralin: α, α, α -trifluoro-2,6-dinitro-N, N-dipropyl-p-toluidine	2.0%
isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5-isoxazoly]-2,6-dimethoxybenzamide and isomers	0.5%
Inert Ingredients	97.5%
Total	100.0%

Contains .5 pounds active ingredient per 20 pound bag.
 U.S. Patents 4,636,243 and 5,086,184
 EPA Reg. No. 62719-175-961
 (L) (D)
 EPA Est. 961-PA-01:961-IL-01
 Superscript used is first letter of lot number.

Distributed by:
LEBANON SEABOARD CORPORATION
 P.O. BOX 180
 LEBANON, PA 17042-0180

Personal Protective Equipment (PPE)

- Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
 - Waterproof gloves
 - Shoes plus socks
 - 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:** Flush eyes with plenty of water. Call a physician if irritation develops.
- If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.
- If on skin:** Wash with plenty of soap and water. Get medical attention if irritation develops.
- If inhaled:** Remove individual to fresh air. If not breathing, provide cardiopulmonary resuscitation assistance (mouth-to-mouth) and get medical attention immediately.

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

- Landscape Ornamentals
- Christmas Tree Plantations
- Container Grown Ornamentals
- Field Grown Ornamentals
- Ground Covers / Perennials
- Non-bearing Fruit and Nut Trees
- Non-bearing Vineyards
- Non-cropland

ACCEPTED with COMMENTS In EPA Letter Dated

JAN 21 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 961-370

READ THE LABEL, AND THIS BOOKLET BEFORE USING

Precautionary Statements

Hazards to Humans and Domestic Animals

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.)

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

Avoid breathing dust or spray mist and contact with eyes, skin, or clothing.

Wash thoroughly with soap and water after handling.

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. Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. 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.

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

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.

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, 40CFR 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 of this label about personal protective equipment (PPE), and restricted entry interval. The requirements in the 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:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective Eyewear

Storage and Disposal

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

Storage: Store in original container only. In case of spill, contain material and dispose as waste.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, in accordance with applicable regulations, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General Information

Preen Pro herbicide is a preemergence product for control of certain broadleaf weeds and annual grasses in container and landscape ornamentals, nursery stock, Christmas trees, ground covers/perennials, non-bearing fruit and nut trees, non-bearing vineyards and non-cropland areas. Apply Preen Pro any time prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with rate of Preen Pro 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 150 pounds per acre and higher should not be made sooner than 60 days after a previous application of Preen Pro. Do not apply over 600 pounds per acre total of Preen Pro within a 12 month period.

General Use Precautions

Preen Pro controls weeds growing from seed. Preen Pro does not control established weeds, weeds growing from stolens, rhizomes, or root pieces. 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 Preen Pro. Optimum weed control is obtained when Preen Pro is activated within 3 days of application. If rainfall or irrigation does not occur within 3 days of application and tillage is possible, Preen Pro may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate Preen Pro within 3 days of application may result in erratic control of annual grasses. Do not apply when wind conditions favor drift of Preen Pro granules from the target area.

Treatment Species Not Listed on the Label for Preen Pro

Users who wish to use Preen Pro on plant species not recommended on this label may determine the suitability for use 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 for during 30 to 60 days of normal growing conditions to determine if the treatment is safe to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of Preen Pro on plant species not recommended on this label.

Application Directions

Apply Preen Pro 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 Preen Pro

- 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 stock or ornamental beds, a hand held or push-type rotary applicator such as a whirly bird 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.
- The weight-to-volume conversion table that follows provides equivalent amounts of Preen Pro.

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Preen Pro Broadcast Rates

Rate lb/Acre	Amount/1000 sq ft		Amount/100 sq ft	
	(lb)	(quarts)	(lb)	(cups)
100	2.30	1.75	0.23	0.7
150	3.45	2.60	0.35	1.0
200	4.60	3.50	0.46	1.4

*One pound of Preen Pro = 0.75 quart = 3 cups

Spreader Settings as a Guide for Calibration

Note: These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by the Distributor or the spreader manufacturer.

Speed (mph)	Settings for Warren T-7 II Spreader		
	Target Rate Of Preen Pro		
	100 lb/acre	150 lb/acre	200 lb/acre
2.0	2-1/2	3-1/4	3-3/4
2.5	3	3-1/2	4-1/4
3.0	3-1/4	4	5

Warren spreader settings are displayed in half-number increments only. The suggested settings that indicate quarter settings can be accomplished by placing the calibration arm between the half number marks on the spreader.

Weeds Controlled or Suppressed by Preen Pro

Weeds Controlled When Applied at 100 lb/acre (2.3 lb/1000 sq ft)

Common Name
 aster, slender
 barnyardgrass
 bluegrass, annual
 bursage, annual
 celery, wild
 chickweed, common
 clover white
 crabgrass
 cudweed, purple
 cupgrass, southwestern
 fiddleneck, coast
 filaree, redstem
 fleabane, blackleaved
 fleabane, dwarf
 foxtail, yellow
 groundcherry, lanceleaf
 henbit
 horseweed
 junglerice
 knotweed, prostrate
 lambsquarters, common
 mallow, little
 mustard, indian
 mustard, wild
 nightshade, black
 oat, wild
 panicum, fall
 pepperweed, Virginia
 pigweed
 pineappleweed
 plantain, slender
 purslane, common
 radish, wild
 ragweed, common
 rocket, London
 rockpurslane, desert
 shepherdspurse
 silara
 smartweed, Pennsylvania
 sowthistle, annual
 speedwell, purslane
 sprangletop, Mexican
 telegraphplant
 thistle, Russian
 witchgrass

Scientific Name
Aster exilis
Echinochloa crus-galli
Poa annua
Ambrosia acanthicarpa
Apium leptophyllum
Stellaria media
Trifolium repens
Digitaria spp.
Gnaphalium purpureum
Eriochloa gracilis
Amsinckia intermedia
Erodium cicutarium
Coryza bonariensis
Coryza ramosissima
Setaria glauca
Physalis lanceifolia
Lamium amplexicaule
Coryza canadensis
Echinochloa colonum
Polygonum aviculare
Chenopodium album
Malva parviflora
Brassica juncea
Sinapis arvensis
Solanum nigrum
Avena fatua
Panicum dichotomiflorum
Lepidium virginicum
Amaranthus spp.
Matricaria matricarioides
Plantago elongata
Portulaca oleracea
Raphanus raphanistrum
Ambrosia artemisiifolia
Sisymbrium irio
Calandrinia ciliata
Capsella bursa-pastoris
Sibara virginica
Polygonum pensylvanicum
Sonchus oleraceus
Veronica peregrina
Leptochloa univervia
Heterotheca grandiflora
Salsola iberica
Panicum capillare

In Addition to the Weeds Listed at the 100 lb/acre Rate, the Following Weeds Will Be Controlled at 150 lb/acre (3.5 lb/1000 sq ft)

Common Name	Scientific Name
aster, heath	<i>Aster ericoides</i>
bittercress	<i>Cardamine oligosperma</i>
bittercress, hairy	<i>Cardamine hirsuta</i>
brassbuttons, southern	<i>Cotula australis</i>
carrot, wild	<i>Daucus carota</i>
chamberbitter	<i>Phyllanthus urinaria</i>
chickweed, mouseear	<i>Cerastium vulgatum</i>
dandelion	<i>Taraxacum officinale</i>
eclipta	<i>Eclipta prostrata</i>
foxtail, giant	<i>Setaria faberi</i>
galinsoga, hairy	<i>Galinsoga ciliata</i>
geranium, Carolina	<i>Geranium carolinianum</i>
groundsel, common	<i>Senecio vulgaris</i>
ladysthumb	<i>Polygonum persicaria</i>
lettuce, prickly	<i>Lactuca serriola</i>
lovegrass	<i>Eragrostis</i> spp.
mallow, dwarf	<i>Malva rotundifolia</i>
marestail	<i>Hippuris vulgaris</i>
mayweed	<i>Anthemis cotula</i>
morninggloory, ivyleaf	<i>Ipomoea hederacea</i>
mustard, black	<i>Brassica nigra</i>
pennywort	<i>Hydrocotyle</i> spp.
phyllanthus, long-stalk	<i>Phyllanthus tenellus</i>
plantain, bracted	<i>Plantago aristata</i>
plantain, broadleaf	<i>Plantago major</i>
plantain, buckhorn	<i>Plantago lanceolata</i>
pokeweed, common	<i>Phytolacca americana</i>
rockpurslane, redmaids	<i>Calandrinia ciliata</i> var. <i>menziesii</i>
ryegrass, annual	<i>Lolium multiflorum</i>
sida, prickly	<i>Sida spinosa</i>
sorrell, red	<i>Rumex acetosella</i>
speedwell, thymeleaf	<i>Veronica serpyllifolia</i>
spurge, hyssop	<i>Euphorbia hyssopifolia</i>
spurge, spotted	<i>Euphorbia maculata</i>
sweetclover, yellow	<i>Melilotus officinalis</i>
tansymustard, green	<i>Descurainia pinnata</i>
velvetleaf	<i>Abutilon theophrasti</i>
woodsorrel, yellow	<i>Oxalis stricta</i>

In Addition to the Weeds Listed at the 100 lb/acre and 150 lb/acre Rates, the Following Weeds Will Be Controlled at 200 lb/acre (4.6 lb/ 1000 sq ft)

Common Name	Scientific Name
barley, hare	<i>Hordeum leporinum</i>
bromegrass	<i>Bromus</i> spp.
burclover, California	<i>Medicago polymorpha</i>
cheat	<i>Bromus secalinus</i>
datura	<i>Datura</i> spp.
dogfennel	<i>Eupatorium capillifolium</i>
eveningprimrose	<i>Oenothera</i> spp.
fescue, rattail	<i>Vulpia myuros</i>
filaree, whitestem	<i>Erodium moschatum</i>
goosefoot, nettleleaf	<i>Chenopodium murale</i>
goosegrass	<i>Eleusine indica</i>
jimsonweed	<i>Datura stramonium</i>
knotweed, silversheath	<i>Polygonum argyrocoleon</i>
kochia	<i>Kochia scoparia</i>
medic, black	<i>Medicago lupulina</i>
mullein, turkey	<i>Eremocarpus setigerus</i>
nettle, burning	<i>Urtica urens</i>
nettle, stinging	<i>Urtica dioica</i>
ox tongue, bristly	<i>Picris echioides</i>
pimpernel, scarlet	<i>Anagallis arvensis</i>
sandbur, field	<i>Cenchrus incertus</i>
signalgrass	<i>Brachiaria</i> spp.
sowthistle, spiny	<i>Sonchus asper</i>
spurge, petty	<i>Euphorbia pepus</i>
spurge, prostrate	<i>Euphorbia humistrata</i>
stinkgrass	<i>Eragrostis cilianensis</i>
sunflower	<i>Helianthus</i> spp.
swinecress	<i>Coronopus didymus</i>
thistle, musk	<i>Carduus nutans</i>
willoweed, panicle	<i>Epilobium paniculatum</i>
woodsorrel, creeping	<i>Oxalis corniculata</i>

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In Addition to the Weeds Controlled, the Following Weeds Will Be Partially Controlled or Suppressed at 200 lb/acre (4.6 lb/1000 sq ft)

Common Name	Scientific Name
blindweed, field	<i>Convolvulus arvensis</i>
carpetweed	<i>Mollugo verticillata</i>
dock, curly	<i>Rumex crispus</i>
johnsongrass (seedling)	<i>Sorghum halepense</i>
mallow, Venice	<i>Hibiscus trionum</i>
milkweed, honeyvine	<i>Ampelamus abidus</i>
morningglory, tall	<i>Ipomoea purpurea</i>
panicum, Texas	<i>Panicum texanum</i>
pusley, Florida	<i>Richardia scabra</i>
shattercane	<i>Sorghum bicolor</i>

Approved Uses

Ornamental Plantings

Preen Pro is recommended as a preemergence treatment for control of certain broadleaf weeds and annual grasses in container grown ornamentals, landscape ornamentals, field grown ornamentals, ground covers/perennials, Christmas trees, non-bearing fruit and nut crops, and non-bearing vineyards. Apply Preen Pro anytime prior to germination of target weeds, or immediately after cultivation.

Refer to the "General Information" section of this label for General Use Precautions and information on application, application rates and weeds controlled.

Special Use Precautions

To avoid possible injury, do not apply Preen Pro to:

- nursery, forest, or Christmas tree: seedling beds, cutting beds, or transplant beds.
- 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.
- 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.

Do not apply Preen Pro to newly transplanted ornamentals, nursery stock, Christmas trees, ground covers, non-bearing fruit and nut trees and non-bearing vineyards until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

Repeat applications at 150 pounds per acre and higher should not be made sooner than 60 days after a previous application of Preen Pro. Do not apply over 600 pounds per acre total of Preen Pro within a 12 month period.

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

Note: Injury on the following plant species has been observed following applications of Preen Pro and use is not recommended.

- Ajuga* spp. (bugle)
- Brassica* spp. (mustard)
- Euonymus alatus 'compacta'* (dwarf burning bush)
- Euphorbia* spp. (spurge)
- Hydrangea* spp. (hydrangea)
- Iberis* spp. (candytuft)
- Juniperus horizontalis 'Prince of Wales'* (Prince of Wales juniper)
- Malaleuca quinquenervia* (cajeput tree)
- Rhododendron carolinianum* (Carolina rhododendron)
- Rhododendron catawbiense 'Roseum elegans'* (Roseum elegans rhododendron)
- Sedum* spp. (stonecrop)
- Yucca recurvifolia* (green yucca)

Preen Pro May Be Used On The Following Established Plant Species

(Note: Limitations on recommended treatment methods)

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

Scientific Name	Common Name	C	F
<i>Abies balsamea</i>	Fir, balsam	C	F
<i>Abies concolor</i>	Fir, white	C	F
<i>Abutilon hybridum</i>	Albus-flowering maple	C	F
	Luteus-flowering maple	C	F
	Roseus-flowering maple	C	F
	Tangerine-flowering maple	C	F
	Vesuvius red-flowering maple	C	F
<i>Acer ginnala</i>	Flame maple	F	F
<i>Acer rubrum</i>	Red maple	F	F
	Red sunset maple	F	F
<i>Acer saccharinum</i>	Silver maple	F	F
<i>Areacastrum romanoffianum</i>	Queen palm	C	F
<i>Betula nigra</i>	Birch, river	C	F
<i>Betula papyrifera</i>	Paper birch	C	F
<i>Brachychiton populneus</i>	Bottle tree	C	F
<i>Bucida buceras</i>	Black olive	C	F
<i>Ceratonia siliqua</i>	Carob	C	F
<i>Cercis canadensis</i>	Redbud	C	F
<i>Chamaecyparis obtusa</i>	Filicoides-femspray cypress	C	F
<i>Chamaecyparis obtusa</i>	Gracilis-slender Hinoki cypress	F	F
<i>Chamaecyparis pisifera</i>	Sawara-false cypress	F	F
	Squarrosa-moss cypress	F	F
<i>Chamaedorea cataractarum</i>	Cat Palm	C	F
	Palm	C	F
<i>Chamaedorea costaricana</i>	Palm	C	F
<i>Chamaedorea elegans</i>	Parlor palm	C	F
<i>Cornus florida</i>	Cloud nine dogwood	C	F
	Dogwood, flowering	C	F
	Green hawthorn	C	F
<i>Crataegus viridis</i>	Cryptomeria, Japanese	C	F
<i>Cryptomeria japonica</i>	Carrot wood	C	F
<i>Cupaniopsis anacardioides</i>	Arizona cypress	C	F
<i>Cupressus glabra</i>	Russian olive	C	F
<i>Elaeagnus angustifolia</i>	Red gum eucalyptus	C	F
<i>Eucalyptus camaldulensis</i>	Eucalyptus, mealy	C	F
<i>Eucalyptus cinerea</i>	Silver dollar eucalyptus	C	F
<i>Eucalyptus microtheca</i>	Coolibah tree	C	F
<i>Eucalyptus sideroxyton</i>	Eucalyptus, red Ironbark	C	F
<i>Ficus benjamina</i>	Ficus	C	F
	Mini ficus	C	F
<i>Fraxinus udhei</i>	Shamel ash	C	F
<i>Ginkgo biloba</i>	Ginkgo (Maidenhair tree)	C	F
<i>Gleditsia triacanthos</i>	Honey locust	C	F
	Shademaster honey locust	C	F
	Toyon	C	F
<i>Heteromeles arbutiflora</i>	Florida anise-tree	C	F
<i>Illicium floridanum</i>	Redcedar, Eastern	C	F
<i>Juniperus virginiana</i>	Sweetgum, American	C	F
<i>Liquidambar styraciflua</i>	Magnolia, Southern	C	F
<i>Magnolia grandiflora</i>	White mulberry	C	F
<i>Morus alba</i>	Banana	C	F
<i>Musa aluminata</i>	Sourwood	C	F
<i>Oxydendrum arboreum</i>	Pendula-weeping Norway spruce	C	F
<i>Picea abies</i>	Repens-spreading Norway spruce	C	F
	Spruce, Norway	C	F
	Conica-dwarf Alberta spruce	C	F
<i>Picea glauca</i>	Dwarf Alberta spruce	F	F
	Dwarf globe blue spruce	C	F
	Glaucu-Colorado blue spruce	C	F
	Hoopsii-Hoop's blue spruce	C	F
	Koster-Koster blue spruce	F	F
	Bristlecone pine	F	F
<i>Pinus aristata</i>	Canary Island pine	F	F
<i>Pinus canariensis</i>	Shore pine, beach pine	F	F
<i>Pinus contorta</i>	Eldarica pine	C	F
<i>Pinus eldarica</i>	Bosnian pine	C	F
<i>Pinus leucodermis</i>	Pumilio-shrubby swiss mountain pine	C	F
<i>Pinus mugo</i>	Austrian black pine	C	F
<i>Pinus nigra</i>	Monterey pine	F	F
<i>Pinus radiata</i>	Eastern white pine	C	F
<i>Pinus strobus</i>			

<i>Pinus strobus</i>	white pine	C, F	<i>Cotoneaster himalayana</i>	Himalayan cotoneaster	C, F
<i>Pinus sylvestris</i>	Columnar Scotch pine	C, F, F	<i>Cotoneaster horizontalis</i>	Cotoneaster, rock	C, C, F
<i>Pinus thunbergiana</i>	Scotch pine	C, F	<i>Cycas revoluta</i>	Sago palm	C, F
<i>Platanus occidentalis</i>	Japanese black pine	C, F	<i>Cytisus praecox</i>	Hollandia-warminster broom	C, F
<i>Platanus racemosa</i>	American sycamore	F, F, F, F	<i>Cytisus scoparius</i>	Lena-Scotch broom	C, F
<i>Podocarpus spp.</i>	California sycamore	F, F, F, F, F	<i>Cytisus spp.</i>	Hollandia-Scotch broom	F, F, F
<i>Populus deltoides</i>	Podocarpus	F, F, F, F, F, F	<i>Daphne odora</i>	Fragrant daphne	F, F, F
<i>Prosopis chilensis</i>	Cottonwood	F, F, F, F, F, F, F	<i>Deutzia crenata</i>	Nakiana-dwarf deutzia	C, F, F
<i>Prunus yedoensis</i>	Chilean mesquite	C, F	<i>Deutzia gracilis</i>	Slender gracilis	F, F, F, F
<i>Quercus ilicifolia</i>	Yoshino flowering cherry	F, F, F, F, F, F, F	<i>Dodonea viscosa</i>	Hopsed bush	F, F, F, F, F, F
<i>Quercus palustris</i>	Bear oak	F, F, F, F, F, F, F, F	<i>Elaeagnus pungens</i>	Fruitland silver berry	F, F, F, F, F, F
<i>Quercus phellos</i>	Pin oak	C, C, F	<i>Erica cinerea</i>	Purple bell heather	C, C, F, F
<i>Quercus rubra</i>	Willow oak	C, C, F	<i>Erica vagans</i>	Cornish heather	F, F, F, F, F, F, F
<i>Quercus virginiana</i>	Red oak	C, C, F	<i>Erica x darleyana</i>	Mediterranean pink heather	C, C, F, F, F, F, F, F
<i>Salix babylonica</i>	Live oak	F, F, F, F, F, F, F, F	<i>Euonymus fortunei</i>	Canadale gold euonymus	F, F, F, F, F, F, F, F
<i>Sequoiadendron giganteum</i>	Babylon weeping willow	F, F, F, F, F, F, F, F, F	<i>Euonymus japonica</i>	Emerald'n gold euonymus	F, F, F, F, F, F, F, F
<i>Swietenia mahogani</i>	Corkscrew willow	F, F, F, F, F, F, F, F, F, F	<i>Euonymus kiatschovica</i>	Sunspot euonymus	C, F, F, F, F, F, F, F, F
<i>Tabebuia caraiiba</i>	Giant sequoia	F, F, F, F, F, F, F, F, F, F, F	<i>Forsythia intermedia</i>	Silver king euonymus	F, F, F, F, F, F, F, F, F, F
<i>Tsuga canadensis</i>	Mahogany	F, F, F, F, F, F, F, F, F, F, F, F	<i>Gardenia jasminoides</i>	Variegated evergreen euonymus	C, F, F, F, F, F, F, F, F, F, F
<i>Ulmus parvifolia</i>	Yellow tab	F, F, F, F, F, F, F, F, F, F, F, F, F	<i>Gaultheria shallon</i>	Spreading euonymus	C, F, F, F, F, F, F, F, F, F, F, F
<i>Washingtonia robusta</i>	Eastern hemlock	F, F, F, F, F, F, F, F, F, F, F, F, F, F	<i>Gelsemium sempervirens</i>	Forsythia, border	C, F, F, F, F, F, F, F, F, F, F, F, F
	Chinese elm	F, F, F, F, F, F, F, F, F, F, F, F, F, F, F	<i>Genista pilosa</i>	August beauty gardenia	C, C, F, F, F, F, F, F, F, F, F, F, F
	Mexican fan palm	F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F	<i>Hibiscus rosa-sinensis</i>	Gardenia	C, C, F, F, F, F, F, F, F, F, F, F, F, F
			<i>Hibiscus syriacus</i>	Radican gardenia	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F

Shrubs

Recommended Treatment Method
C = Container Grown
F = Field Grown

Scientific Name	Common Name				
<i>Abelia grandiflora</i>	Edward Goucher abelia	C, F	<i>Gaitheria shallon</i>	Radiant gardenia	C, C, F, F, F, F, F, F, F, F, F, F
<i>Acacia abyssinica</i>	Glossy abelia	C, C, C, C, F, F, F, F, F, F, F, F, F, F	<i>Gelsemium sempervirens</i>	Salal/lemon leaf	C, C, F, F, F, F, F, F, F, F, F, F, F
<i>Acacia redolens</i>	Abyssinica acacia	C, C, C, C, F, F, F, F, F, F, F, F, F, F, F	<i>Genista pilosa</i>	Carolina jessamine	C, C, F, F, F, F, F, F, F, F, F, F, F, F
<i>Acacia stenophylla</i>	Acacia, prostrate	C, C, C, C, F, F, F, F, F, F, F, F, F, F, F, F	<i>Hibiscus rosa-sinensis</i>	Woodwaxen	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Acaiphya wilkesiana</i>	Shoestring acacia	C, C, C, C, F, F, F, F, F, F, F, F, F, F, F, F, F	<i>Hibiscus syriacus</i>	Ross Estey-hibiscus	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Acer ginnata</i>	Copper leaf	C, C, C, C, F, F, F, F, F, F, F, F, F, F, F, F, F, F		Rose of Sharon, Red Bird	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Acer palmatum</i>	Amur maple	C, C, C, C, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F	<i>Ilex aquifolium</i>	Rose of Sharon, Red Heart	C, F
<i>Agave americana</i>	Coral bark Japanese maple	C, F	<i>Ilex aquipernyi</i>	Rose of Sharon, Woodbridge	C, F
<i>Astilbe arendsii</i>	Dwarf Japanese maple	C, F	<i>Ilex attenuata</i>	Balkans holly	F
<i>Astilbe chinensis</i>	Century plant	C, F	<i>Ilex cornuta</i>	Gold coast holly	F, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Athyrium nipponimcum</i>	false spiraea	C, F	<i>Ilex crenata</i>	San Jose holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F
<i>Baccharis pilularis</i>	Astilbe/false spirea	C, C, F	<i>Ilex crenata</i>	Savannah holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Berberis gladywynensis</i>	Japanese painted fern	C, F	<i>Ilex crenata</i>	Burford holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Berberis mentorensis</i>	coyotebush	C, F	<i>Ilex crenata</i>	dwarf Burford holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Berberis thunbergii</i>	William Penn barberry	C, F	<i>Ilex crenata</i>	needle point holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Mentor barberry	C, F	<i>Ilex crenata</i>	Compacta-dwarf Japanese holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Aurea-golden Japanese barberry	C, F	<i>Ilex crenata</i>	Convexa holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Crimson pygmy barberry	C, F	<i>Ilex crenata</i>	Dwarf Chinese holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Rose glow barberry	C, F	<i>Ilex crenata</i>	Green luster holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Atropurea-redleaf Japanese barberry	C, F	<i>Ilex crenata</i>	Hellen-Heller's Japanese holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Bougainvillea spp.</i>	Barbara Karst	C, F	<i>Ilex glabra</i>	Hetzli's Japanese holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	California gold	C, F	<i>Ilex meserveae</i>	Stokesii Japanese holly	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Pink pixie	C, F	<i>Ilex meserveae</i>	compacta-compact inkberry holly	C, F
	Scarlet O'Hara	C, F	<i>Ilex meserveae</i>	Nordica-inkberry holly	C, F
	Temple fire	C, F	<i>Ilex meserveae</i>	Blue boy holly	C, F
	Texas dawn	C, F	<i>Ilex meserveae</i>	Blue girl holly	C, F
<i>Buxus microphylla japonica</i>	Boxwood, Japanese	C, F	<i>Ilex vomitoria</i>	Ebony magic holly	C, F
<i>Buxus microphylla Korean</i>	Korean boxwood	C, F	<i>Ilex vomitoria</i>	Nana-dwarf yaupon holly	C, F
<i>Buxus sempervirens</i>	Boxwood, common	C, F	<i>Ilex vomitoria</i>	Pendula-weeping yaupon holly	C, F
<i>Callistemon citrinus</i>	Bottlebrush, lemon	C, F	<i>Illicium anisatum</i>	yaupon holly	C, F
<i>Callistemon viminalis</i>	Weeping bottlebrush	C, F	<i>Itea ilicifolia</i>	Mystery gardenia	C, F, F
<i>Calluna vulgaris</i>	spring torch scotch heather	C, F	<i>Ixora collinea</i>	Henry Garnet holly leaf sweetspire	C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Camellia japonica</i>	Camellia	C, F	<i>Juniperus chinensis</i>	Ixora	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cassia artemisioides</i>	Cassia, feathery	C, F	<i>Juniperus chinensis</i>	hollywood juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Ceanothus spp.</i>	Wild lilac	C, F	<i>Juniperus chinensis</i>	Media-old gold juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cephalotaxus drupacea</i>	Plum yew	C, F	<i>Juniperus chinensis</i>	pfitzer juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cerastium tomentosum</i>	Snow-in-summer	C, F	<i>Juniperus chinensis</i>	Pfitzerana glauca-blue juniper	C, F
<i>Chamaecyparis obtusa</i>	Kosteri cypress	C, F	<i>Juniperus chinensis</i>	Pfitzerana-pfitzer juniper	C, F
<i>Chamaecyparis pisifera</i>	Nana-dwarf Hinoki cypress	C, F	<i>Juniperus chinensis</i>	Sea green juniper	C, F
<i>Chamaecyparis pisifera spp.</i>	Torulosa cypress	C, F	<i>Juniperus chinensis</i>	Torulosa-hollywood juniper	C, F
<i>Chrysalidocarpus lutescens</i>	baileyi-dogwood	F	<i>Juniperus chinensis</i>	Emerald sea shore juniper	C, F
<i>Clethra alnifolia</i>	Flaviramea-dogwood	F	<i>Juniperus chinensis</i>	Shore juniper	C, F
<i>Cleyera japonica</i>	Squarrosa Minima cypress	F, F	<i>Juniperus chinensis</i>	Andorra juniper	C, F
<i>Cornus alba</i>	Fillifera-thread cypress	C, F	<i>Juniperus chinensis</i>	Bar Harbor juniper	C, F
<i>Cornus stolonifera</i>	Areca palm	C, F	<i>Juniperus chinensis</i>	Blue rug juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cotinus coggygria</i>	Summersweet	C, F	<i>Juniperus chinensis</i>	Creeping juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cotinus dammeri</i>	Cleyera, Japanese	C, F	<i>Juniperus chinensis</i>	Dwarf Andorra juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cotoneaster adpressus</i>	Sibirica-Siberian dogwood	C, F	<i>Juniperus chinensis</i>	Huntington blue juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cotoneaster apiculatus</i>	Bailey-red-osier dogwood	C, F	<i>Juniperus chinensis</i>	Plumosa-Andorra juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cotoneaster congestus</i>	Flaviramea-yellowtwig dogwood	F	<i>Juniperus chinensis</i>	Wiltonii-blue carpet juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
<i>Cotoneaster dammeri</i>	Royal purple smoke tree	C, F	<i>Juniperus chinensis</i>	Nana-dwarf Japanese garden juniper	C, F
	Coral beauty smoke tree	C, F	<i>Juniperus chinensis</i>	Prostrata juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Eichholz smoke tree	C, F	<i>Juniperus chinensis</i>	Broadmoor juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Praecox-early cotoneaster	C, F	<i>Juniperus chinensis</i>	Foemina-Hicks juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Cotoneaster, cranberry	C, F	<i>Juniperus chinensis</i>	Savin juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Cotoneaster, Pyrenees	C, F	<i>Juniperus chinensis</i>	Tamariscifolia-Tam juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
	Cotoneaster, bearberry	C, F	<i>Juniperus chinensis</i>	Emerald green juniper	C, C, F, F, F, F, F, F, F, F, F, F, F, F, F
			<i>Juniperus scopulorum</i>		C, C, F, F, F, F, F, F, F, F, F, F, F, F, F

<i>Juniperus squamata</i>	Blue juniper	C, F	<i>Rhododendron calendulaceum</i>	Cannon's double azalea	C, F
	Blue star juniper	C, F, F		Flame azalea	F
	Parsonii juniper	C, F		Golden flare azalea	C, F
<i>Kalmia latifolia</i>	Laurel, mountain	C, F		Klondike azalea	C, F
<i>Lagerstroemia indica</i>	Crape myrtle	C, F	<i>Rhododendron campylocarpum</i>	Butterfly rhododendron	F
<i>Lantana</i> spp.	Lantana	C, F	<i>Rhododendron carolinianum x daurium</i>	PJM rhododendron	C, F
<i>Leucothoe axillaris</i>	Leucothoe, coast	C, F	<i>Rhododendron catawbiense</i>	Catawba album rhododendron	C, F
<i>Leucothoe fontanesiana</i>	Leucothoe, drooping	C, F		Catawba rhododendron	C, F
<i>Ligustrum japonicum</i>	Privet, Japanese wax ligustrum	C, F		Lord Roberts rhododendron	C, F
	yellow tip ligustrum	C, F		Rocket rhododendron	C, F
<i>Ligustrum lucidum</i>	Privet, glossy	C, F	<i>Rhododendron caucasicum x ponticum</i>	Cunningham White rhododendron	C, F
<i>Ligustrum ovalifolium</i>	California privet	C, F	<i>Rhododendron exbury</i>	Cannon's double azalea	C, F
<i>Ligustrum texanum</i>	Howardi privet	C, F		golden flare azalea	C, F
	wax leaf privet	C, F		Klondike azalea	C, F
<i>Ligustrum vicaryi</i>	Privet, golden	F	<i>Rhododendron forrestii repens</i>	Gomer Waterer rhododendron	C, F
	Vicary golden privet	F	<i>Rhododendron forrestii x griersonianum</i>	Elizabeth rhododendron	C, F
<i>Ligustrum vulgare</i>	Lodense privet	C, F	<i>Rhododendron griffithianum</i>	Jean Marie rhododendron	C, F
<i>Livistona chinensis</i>	Chinese fountain palm	F	<i>Rhododendron hybrid</i> spp.	America rhododendron	C, F
<i>Lonicera fragrantissima</i>	Winter honeysuckle	C, F		English Roseum rhododendron	F
<i>Lonicera periclymenum</i>	Flowering woodbine	C, F		Nova Zembla rhododendron	C, F
	Serotina woodbine	C, F	<i>Rhododendron impeditum</i>	Scintillation rhododendron	C, F
<i>Lonicera sempervirens</i>	Trumpet honeysuckle	C, F	<i>Rhododendron indica</i>	Rhododendron	C, F
<i>Mahonia bealei</i>	Leather leaf mahonia	C, F	<i>Rhododendron indica</i>	Formosa azalea	C, F
<i>Mahonia repens</i>	Creeping mahonia	C, F	<i>Rhododendron kaempferi</i>	Waucubusa azalea	C, F
<i>Myrica cerifera</i>	Wax myrtle	C, F	<i>Rhododendron kerume</i>	Blue danube azalea	C, F
<i>Nandina domestica</i>	Compact-dwarf heavenly bamboo	C, F		Coral bells azalea	C, F
	Harbour dwarf-heavenly bamboo	C, F		Hino crimson azalea	C, F
	Heavenly bamboo (Nandina)	C, F	<i>Rhododendron maximum</i>	Hino pink azalea	C, F
	Nana compacta-heavenly bamboo	C, F	<i>Rhododendron mucronulatum</i>	Mildred azalea	C, F
	Nana purpurea-heavenly bamboo	C, F	<i>Rhododendron obtusum</i>	Snow azalea	C, F
	Woods dwarf-heavenly bamboo	C, F	<i>Rhododendron ponticum</i>	Rhodie max (rosebay)	C, F
<i>Nerium oleander</i>	Hardy red oleander	C, F	<i>Rhododendron ponticum</i>	Rhododendron	C, F
	Oleander	C, F	<i>Rhododendron ponticum</i>	Hino-crimson azalea	C, F
	Ruby lace oleander	C, F	<i>Rhododendron racemosum</i>	Chionoides rhododendron	C, F
<i>Osmarthus fortunei</i>	Fortunes osmanthus	C, F		Daphnoides rhododendron	C, F
<i>Phoenix roelofenii</i>	Pigmy date palm	C, F	<i>Rhododendron sassthigialm x carolinianum</i>	Dwarf scarlet wonder rhododendron	C, F
<i>Photinia fraseri</i>	Fraser's photinia	C, F	<i>Rhododendron satsumi</i>	Tribly rhododendron	C, F
<i>Pieris japonica</i>	Lily-of-the-valley	C, F		Unique rhododendron	C, F
	Mountain fire lily-of-the-valley	C, F	<i>Rhododendron spp. hybrids</i>	Vulcan rhododendron	C, F
	Snowdrift lily-of-the-valley	C, F		Ramapo rhododendron	C, F
	Temple bells lily-of-the-valley	C, F		Gumpo pink azalea	C, F
	Valley rose lily-of-the-valley	C, F		Higasa azalea	C, F
	Valley valentine lily-of-the-valley	C, F		Reijn azalea	C, F
<i>Pieris japonica x forestii</i>	Forest flame lily-of-the-valley	C, F		Carror azalea	C, F
		C, F		Fashion azalea	C, F
<i>Pinus mugo</i>	Mugo-mugho pine	C, F		Gerard Christina azalea	C, F
<i>Pittosporum tobira</i>	Green pittosporum	C, F		Girard Roberta azalea	C, F
	Wheeler's dwarf pittosporum	C, F		Golden flare exbury azalea	C, F
	Blue cape plumbago	F		Helmut vogel azalea	C, F
<i>Plumbago ariculata</i>	Plumbago	C, F		Hersey red azalea	C, F
<i>Plumbago capensis</i>	Yewpine	C, F		Hot shot azalea	C, F
<i>Podocarpus macrophyllus</i>	Tassel fern	C, F		Hume azalea	C, F
<i>Polystichum polyblepharum</i>	Cinquefoil	F		Inga azalea	F
<i>Potentilla fragiformis</i>	Cinquefoil	C, F		Irene Koster azalea	C, F
<i>Potentilla fruticosa</i>	Gold drop potentilla	F	<i>Rhus lancea</i>	President Clay azalea	C, F
	Goldfinger potentilla	C, F	<i>Rosa rugosa</i>	Tradition azalea	C, F
	Red ace potentilla	C, F	<i>Rosmarinus officinalis</i>	Sumac, African	C, F
	Sunset potentilla	C, F	<i>Skimmia japonica</i>	Ramanas rose	C, F
	Tangerine potentilla	C, F	<i>Skimmia revesiana</i>	Rosemary	C, F
<i>Potentilla verna</i>	Spring cinquefoil	C, F	<i>Spiraea bumalda</i>	Japanese skimmia	C, F
<i>Prunus glauca</i>	Dwarf pink flowering almond	C, F	<i>Spiraea japonica</i>	Reeve's skimmia	C, F
		C, F		Anthony Waterer spiraea	C, F
<i>Pyracantha fortuneana</i>	Lolendel Monrovia pyracantha	C, F		Dolchia spiraea	C, F
	Monon pyracantha	F	<i>Spiraea vanhouttei</i>	Japanese alpine spiraea	C, F
	Red elf hybrid pyracantha	F	<i>Syringa rothomagensis</i>	Shirobana spiraea	C, F
	Rutgers hybrid pyracantha	C, F	<i>Syringa vulgaris</i>	Bridal wreath	C, F
	Santa Cruz pyracantha	C, F	<i>Taxus cuspidata</i>	Chinese lilac	C, F
	Victory pyracantha	F	<i>Tecomania capensis</i>	Lilac, common	F
<i>Rhaphiolepis indica</i>	Charisma-Monruce rhaphiolepis	C, F	<i>Temstroemia gymnanthera</i>	Yew, Japanese	F
	Enchantress-Moness rhaphiolepis	F	<i>Thuja occidentalis</i>	Cape honeysuckle	C, F
	Rhaphiolepis (India hawthorn)	C, F		Temstroemia, Japanese	C, F
	Springtime-Monme rhaphiolepis	F		Emerald arborvitae	C, F
<i>Rhaphiolepis ovata</i>	Roundleaf rhaphiolepis	C, F		Globosa-globe arborvitae	C, F
		C, F		Little glant-dwarf arborvitae	C, F
		C, F		Nigra-dark American arborvitae	C, F
		C, F		Pyramidalis arborvitae	C, F

<i>Thuja occidentalis</i>	Rheingold arborvitae	C, F	currant	F
<i>Thuja orientalis</i>	Techyn arborvitae	F	dewberry	F
	Woodwardli arborvitae	C, F	elderberry	F
	Aureus nana-dwarf golden arborvitae	C, F	fig	F
	Minima glauca-dwarf arborvitae	C, F	filbert	F
<i>Veitchia merrilli</i>	Christmas palm	F	gooseberry	F
<i>Viburnum bodnantense</i>	Pink dawn viburnum	C, F	grape, American	F
<i>Viburnum davidii</i>	David viburnum	C, F	grape, European	F
<i>Viburnum japonicum</i>	Viburnum	F	grapefruit	F
<i>Viburnum lantana</i>	Wayfaring tree	F	kiwi	F
<i>Viburnum opulus sterile</i>	Common snowball viburnum	F	lemon	F
	Doublefile viburnum	C, F	loganberry	F
<i>Viburnum plicatum tomentosum</i>	Tea viburnum	F	macadamia nut	F
<i>Viburnum setigerum</i>	Spring bouquet viburnum	F	nectarine	F
<i>Viburnum tinus compactum</i>	Cranberry bush	C, F	olive	F
<i>Viburnum trilobum compactum</i>	Dwarf cranberry bush	C, F	orange	F
<i>Viburnum x pragense</i>	Viburnum	C, F	peach	F
<i>Weigela florida</i>	Bristol ruby weigela	C, F	pear	F
	Java red weigela	C, F	pecan	F
	Mtuet weigela	C, F	pistachio	F
<i>Xylosma congestum</i>	Xylosma	F	plum	F
<i>Yucca filamentosa</i>	Yucca	C, F	pomegranate	F
			prune	F
			raspberry	F
			walnut, black	F
			walnut, English	F

Groundcovers/Perennials

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

Scientific Name	Common Name	
<i>Ammophila breviflora</i>	Beechgrass	C, F
<i>Arctotheca calendula</i>	Cape weed	F
<i>Carex</i> spp.	Variiegated carex	C, F
<i>Carpobrotus edulis</i>	Ice plant, largeleaf (see label)	F
<i>Cortaderia selloana</i>	Pampas grass	C, F
<i>Delosperma alba</i>	White iceplant	F
<i>Descampsia caespitosa</i>	Descampsia	C, F
<i>Drosanthemum floribundum</i>	Trailing rosea iceplant	F
<i>Drosanthemum hispidum</i>	Iceplant	C, F
<i>Festuca ovina glauca</i>	Blue fescue	C, F
<i>Gazania</i> spp.	Gazania	C, F
<i>Hakonechloa macroaureola</i>	Golden hakonechloa	C, F
<i>Hedera canariensis</i>	Ivy, Algerian	C, F
<i>Hedera helix</i>	Ivy, English	C, F
<i>Hemerocallis</i> spp.	Daylily	C, F
<i>Hosta lancifolia</i>	Albo-marginata hosta	C, F
<i>Hypericum</i> spp.	St. Johnswort	C, F
<i>Jasminum nitidum</i>	Angelwing jasmine	C, F
<i>Lampranthus spectabilis</i>	Trailing iceplant	C, F
<i>Liriope gigantea</i>	White lily turf	C, F
<i>Liriope muscari</i>	Lilac beauty lily turf	C, F
	Majestic lily turf	C, F
	Monroe white lily turf	C, F
	Silvery sunproof lily turf	C, F
	Variiegated liriope lily turf	C, F
	Big blue lily turf	C, F
	green/creeping lily turf	C, F
<i>Liriope spicata</i>	Honeysuckle, Japanese	C, F
<i>Lonicera japonica</i>	Eulalia grass	C, F
<i>Miscanthus sinensis</i>	Dwarf Mondo grass	C, F
<i>Ophiopogon japonicus</i>	Mondo grass	C, F
	Japanese spurge	C, F
<i>Pachysandra terminalis</i>	Fountain grass	C, F
<i>Pennisetum alopecuroides</i>	Ribbon grass	C, F
<i>Phalaris arundinacea picta</i>	Asalan jasmine	C, F
<i>Trachelospermum asiaticum</i>	Periwinkle, bigleaf	C, F
<i>Vinca major</i>	Periwinkle, dwarf	C, F
<i>Vinca minor</i>	Periwinkle	C, F
<i>Vinca</i> spp.		

Non-bearing Fruit and Nut Tree and Non-bearing Vineyards*

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

Common Name	
almond	F
apple	F
apricot	F
avocado	F
blackberry	F
blueberry	F
boysenberry	F
cherry, sour	F
cherry, sweet	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.

Ornamental Bulbs

Do not use Preen Pro in bulb production fields. For use in landscape settings only.

Preen Pro may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply Preen Pro to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. Preen Pro may also be applied following bulb emergence but prior to flowering and after flowering. For fall planted bulbs, apply Preen Pro 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 gladiolus prior to emergence or if corms are less than one inch in diameter.
- Do not apply to bulbs while they are flowering.

Shadehouse Areas

Preen Pro may be applied in open shadehouse-type structures where the natural flow of air is unimpeded. Do not apply in enclosed greenhouses or in enclosed shadehouse-type structures. Do not apply within three weeks prior to enclosing greenhouse or poly-type structures.

Noncropland

Preen Pro is recommended as a preemergence treatment for control of certain broadleaf weeds and annual grasses on non-cropland areas such as industrial sites, utility substations, highway guardrails, sign posts, delineators, etc. Apply Preen Pro 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 Information" section of this label for General Use Precautions and information on Application, Application Rates, and Weeds Controlled.

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Warranty Disclaimer

The Distributor 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. THE DISTRIBUTOR 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 temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the Distributor 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 the Distributor's election, one of the following:

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

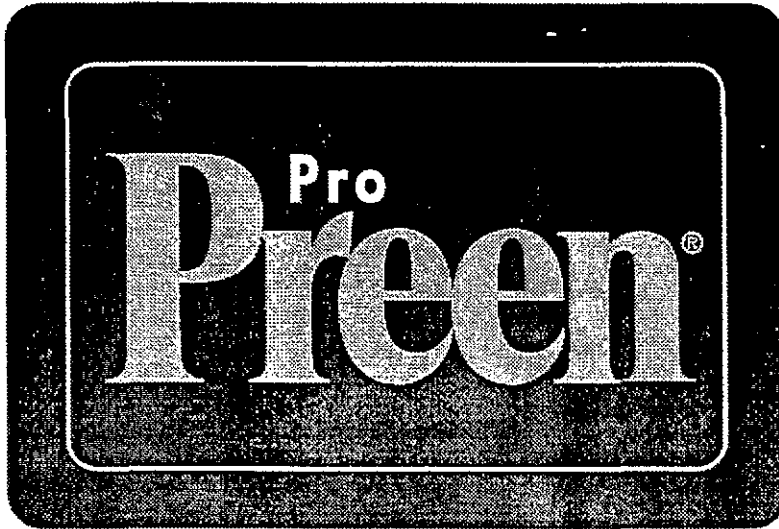
The Distributor shall not be liable for losses or damages resulting from handling or use of this product unless the Distributor is promptly notified of such loss or damage in writing. In no case shall the Distributor be liable for consequential or incidental damages or losses.

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

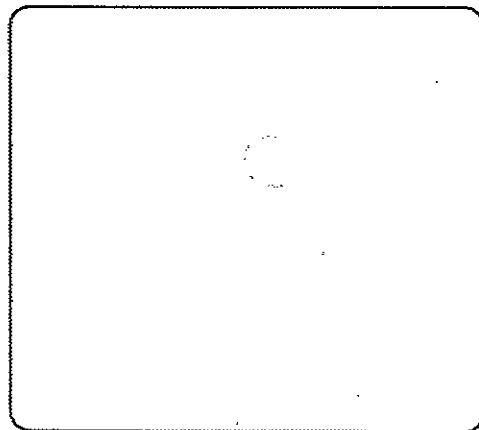
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Net Wt. 20 lb. (9.09 Kg)

Total Weed Prevention



Annual Grass & Broadleaf Weed Control for Ornamentals and Ground Covers

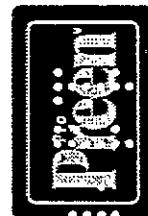


Total Weed Prevention



Annual Grass & Broadleaf Weed Control
for Ornamentals and Ground Covers

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Total Weed Prevention

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