

trifluralin	Group	3	HERBICIDE
isoxaben	Group	21	HERBICIDE



# woodace®



# Preem plus®

## PRE-EMERGENT CONTROL FOR ANNUAL GRASSES & BROADLEAF WEEDS IN SHRUB BEDS & GROUND COVERS

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

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

Active Ingredients:	
trifluralin	1.500%
isoxaben	0.375%
Other Ingredients:	98.125%
Total	100.000%

Contains .375 pounds active ingredient per 20 pound bag. U.S. Patents 4,636,243 and 5,086,184  
 Trifluralin CAS. No. 1582-09-8 (L) (D)  
 Isoxaben CAS. No. 82558-50-7 EPA Est. No. 961-PA-01:961-IL-01  
 EPA Reg. No. 961-370 Superscript used is first letter of lot number.

Preem® and Woodace® are registered trademarks of Lebanon Seaboard Corporation.

**READ THE LABEL BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION PRECAUCIÓN**

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.)

**Notice:** Read the entire label. Use only according to label directions. Before buying this product, read the warranty section elsewhere on this label. If terms are not acceptable, return at once unopened.

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**CAUTION**

Causes Moderate Eye Irritation • Harmful If Swallowed Or Inhaled • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reaction In Some Individuals

Avoid breathing dust and contact with eyes or clothing.

Wash thoroughly with soap and water after handling.

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear: • Long-sleeved shirt and long pants • Chemical resistant gloves made of any waterproof material • Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

- Users should: • Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**First Aid**

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. **DO NOT** give anything by mouth to an unconscious person. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact (888) 208-1368 for emergency medical treatment information.

**Environmental Hazards**

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems. **DO NOT** apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Drift may result in reduced germination or emergence of nontarget plants adjacent to treated area. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwaters.

In case of emergency endangering the environment involving this product, call 1-800-992-5994.

**NON-TARGET ORGANISM ADVISORY STATEMENT:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize drift.

**Groundwater Advisory:** This pesticide has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water Advisory:** This pesticide may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soil and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of isoxaben from runoff water and sediment.

**Directions for Use**

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

Read all Directions for Use carefully before applying.

**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements 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
- Chemical resistant gloves made of any water-proof material
- Shoes plus socks

Manufactured by:

**Lebanon Seaboard Corporation**  
1600 East Cumberland Street • Lebanon, PA 17042

For technical assistance or more information about our products visit [www.LebanonTurf.com](http://www.LebanonTurf.com)

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**Agricultural Use Requirements**

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- Shoes plus socks

### Non-Agricultural Use Requirements

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

For applications in landscape settings and in non-cropland sites, **DO NOT** enter or allow others to enter the treated area until dusts have settled.

### Storage and Disposal

**DO NOT** contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store product in its original container in a cool, dry, locked place out of the reach of children and animals.

**Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. **Container Handling:** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling if available. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### Product Information

This product is a preemergence product for control of broadleaf weeds and annual grasses listed elsewhere on this label 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 this product anytime prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with rate of this product applied, weed population, potting media or soil conditions, temperature, watering regime, and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed.

### Use Precautions

This product controls weeds growing from seed. This product 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 this product. Optimum weed control is obtained when this product is activated within 1 day of application. If rainfall or irrigation does not occur within 1 day of application and tillage is possible, this product may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate this product within 1 day of application may result in erratic control of annual grasses. **DO NOT** apply when wind conditions favor drift of this products granules from the target area.

### Tolerance of Turfgrass Adjacent to Ornamental Plantings

Accidental application to turf may occur when applying this product to ornamental plantings. This product is not suggested for weed control in turfgrasses, but turfgrasses are normally tolerant to small amounts of this product that fall outside of the intended area of application.

**DO NOT** apply this product to turfgrass grown for seed.

### Treatment Species Not Listed on the Label for Woodace Preen Plus

Users who wish to use this product on plant species not listed on this label may determine the suitability for use by treating a small number of such plants at a rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury for 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 this product on plant species not listed on this label.

### Use Restrictions

**In Arizona:** The state of Arizona has not approved this product for use on plants grown for agricultural/commercial production; such as on Christmas tree plantations, container grown or field grown ornamentals, non-bearing fruit and nut trees and non-bearing vineyards.

Repeat applications at 200 pounds per acre and higher should not be made sooner than 60 days after a previous application of this product. **DO NOT** apply over 800 pounds per acre total of this product within a 12 month period.

Not for sale, distribution or use in New York State.

**DO NOT** apply this product by air.

### Weed Resistant Management

For resistance management, please note that Woodace Preen Plus contains both a Group 3 trifluralin and a Group 21 isoxaben herbicide. Any weed population may contain plants naturally resistant to Group 3 and/or Group 21 herbicides. The resistant individuals may dominate the weed population if these herbicides are used repeatedly in the same fields. Appropriate resistancemanagement strategies should be followed.

- Rotate the use of Woodace PreenPlus or other Group 3 and 21 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.

Best Management Practices:

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistant weeds. It is recommended to scout for weeds before this product is applied for identification and growth stage and after application to facilitate the early identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant weed populations is to implement measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively. Cleaning equipment between sites and avoiding movement of plant material between sites will greatly aid in reducing the spread of resistant weed seed.

### Application Instructions

Apply this product using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. **DO NOT** use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or crop injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

This product must be soil-incorporated within 24 hours of application either by at least 0.5 acre inch of water (irrigation) or mechanical incorporation. If a second incorporation is needed it should be delayed 3 to 5 days after the first incorporation and be completed prior to planting.

### Application Techniques for Applying Woodace Preen Plus

- 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 whirlbyrd or cyclone unit is suggested. 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 for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.
- The weight-to-volume conversion table (below) provides equivalent amounts of this product.

Woodace Preen Plus* Broadcast Rates				
Rate	Amount/1,000 sq. ft.	Amount/100 sq. ft.		
lbs./Acre	(lbs.)	(quarts)	(lbs.)	(cups)
133	3.07	2.33	0.31	0.93
200	4.60	3.47	0.47	1.33
267	6.13	4.67	0.61	1.87

\*One pound of Woodace Preen Plus = 0.75 quart = 3 cups

### Weeds Controlled or Suppressed by Woodace Preen Plus

#### Weeds Controlled When Applied at 133 lbs./acre (3.1 lbs./1,000 sq. ft.)

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

#### In Addition to the Weeds Listed at the 133 lbs./acre Rate, the Following Weeds Will Be Controlled at 200 lbs./acre (4.6 lb/1,000 sq. ft.)

aster, heath	chickweed, mouseear	groundsel, common	morningglory, ivyleaf	pokeweed, common	spurge, hyssop
bittercress	dandelion	ladysthumb	mustard, black	rockpurslane,	spotted
bittercress, hairy	eclipta	lettuce, prickly	pennywort	redmaids	sweetclover, yellow
brassbuttons,	fireweed	lovegrass	phyllanthus, long-stalk	ryegrass, annual	tansymustard, green
southern	foxtail, giant	mallow, dwarf	plantain, bracted	sida, prickly	velvetleaf
carrot, wild	galinsoga, hairy	marestail	plantain, broadleaf	sorrell, red	woodsorrel, yellow
chamberbitter	geranium, Carolina	mayweed	plantain, buckhorn	speedwell, thymeleaf	

#### In Addition to the Weeds Listed at the 133 lbs./acre and 200 lbs./acre Rates, the Following Weeds Will Be Controlled at 267 lbs./acre (6.1 lb/1,000 sq. ft.)

barley, hare	dogfennel	jimsonweed	nettle, burning	sowthistle, spiny	thistle, musk
bromegrass	eveningprimrose	knotweed,	nettle, stinging	spurge, petty	wiloweed, panicle
burclover, California	fescue, rattail	silversheath	oxtongue, bristly	spurge, prostrate	woodsorrel, creeping
cheat	filaree, whitestem	kochia	pimpernel, scarlet	stinkgrass	
datara	goosefoot, nettleleaf	medic, black	sandbur, field	sunflower	
	goosegrass	mullein, turkey	signalgrass	swinecress	

#### In Addition to the Weeds Controlled, the Following Weeds Will Be Partially Controlled or Suppressed at 267 lbs./acre (6.1 lbs./1,000 sq ft)

bindweed, field	dock, curly	mallow, Venice	morningglory, tall	shattercane
carpetweed	johnsongrass (seedling)	milkweed, honeyvine	panicum, Texas	
			pusley, Florida	

### Labeled Uses

#### Ornamental Plantings

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

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

### Special Use Precautions

To avoid possible injury, **DO NOT** apply this product 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 this product 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 200 pounds per acre and higher should not be made sooner than 60 days after a previous application of this product. **DO NOT** apply over 800 pounds per acre total of this product 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 this product and use is not suggested.**

oak leaf acanthus	hydrangea
bugle	candytuft
mountain sandwort	Prince of Wales juniper
mustard	cajeput tree
luxuriant bleeding heart	summer phlox
foxglove	Bertram Anderson lingwort
purple coneflower	Carolina rhododendron
dwarf burning bush	Roseum elegans rhododendron
spurge	stonecrop
ballerina cranesbill	wine periwinkle
white festival baby's breath	green yucca

Woodace Green Plus May Be Used On The Following Established Plant Species (Note: Limitations on treatment methods)

TREES		Treatment Method:													
Common Name		C = Container Grown	F = Field Grown												
Fir, balsam	C, F	Carob	F	Arizona cypress (glabra)	F	Florida anise-tree	C, F	Canary Island pine	F	Yoshino flowering cherry	F				
Fir, white	F	Redbud	C, F	Italian cypress	C, F	Redcedar, Eastern	C, F	Shore pine, beach pine	F	Bear oak	F				
Albus-flowering maple	C, F	Filicoides-fernspray cypress	F	Tasmanian tree fern	C, F	Sweetgum, American	F	Eldarica pine	C, F	Pin oak	F				
Luteus-flowering maple	C, F	Gracilis-slender Hinoki cypress	F	Russian olive	C, F	Magnolia, Southern	C, F	Bosnian pine	C, F	Willow oak	C, F				
Roseus-flowering maple	C, F	Sawara-false cypress	C, F	Gilt edge strawberry	C, F	White mulberry	C, F	pumilo-shrubby swiss mountain pine	C, F	Red oak	C, F				
Tangerine-flowering maple	C, F	Squarrosa-moss cypress	F	Red gum eucalyptus	F	Banana	C, F	Austrian black pine	C, F	Live oak	C, F				
Vesuvius red-flowering maple	F	Cat Palm	F	Eucalyptus, mealy	F	Sourwood	C, F	Monterey pine	F	Babylon weeping willow	F				
Flame maple	F	Palm	C, F	Silver dollar eucalyptus	F	Pendula-weeping Norway spruce	C, F	Eastern white pine	C, F	Corkscrew willow	F				
Red maple	F	Palm	C, F	Coolibah tree	C, F	Repens-spreading Norway spruce	C, F	White pine	C, F	Giant sequoia	F				
Red sunset maple	F	Parlor palm	C, F	Eucalyptus, red ironbark	C, F	Spruce, Norway	C, F	Columnar Scotch pine	C, F	Mahogany	F				
Silver maple	C, F	Cloud nine dogwood	C, F	Ficus	C, F	Conica-dwarf Alberta spruce	C, F	Scotch pine	C, F	Yellow tab	F				
Australian tree fern	C, F	Dogwood, flowering	C, F	Mini ficus	C, F	Dwarf Alberta spruce	F	Japanese black pine	C, F	Eastern hemlock	C, F				
Queen palm	C, F	Green hawthorn	F	Shamel ash	C, F	Dwarf globe blue spruce	C, F	American sycamore	F	Chinese elm	F				
Birch, river	C, F	Cryptomeria, Japanese	C, F	Ginkgo (Maidenhair tree)	F	Glauca-Colorado blue spruce	C, F	California sycamore	F	Mexican fan palm	F				
Paper birch	F	Carrot wood	F	Honey locust	F	Hoopsii-Hoop's blue spruce	C, F	Podocarpus	F						
Bottle tree	C, F	Emerald island leyland cypress	C, F	Shademaster honey locust	F	Koster-Koster blue spruce	F	Cottonwood	F						
Black olive	F	Arizona cypress	C, F	Toyon	F	Bristlecone pine	F	Chilean mesquite	C, F						

SHRUBS		Treatment Method:													
Common Name		C = Container Grown	F = Field Grown												
Edward Goucher abelia	C, F	Bush morning glory	C, F	Needle point holly	C, F	Privet, Japanese	C, F	Red elf hybrid pyracantha	F	Helmut vogel azalea	F				
Glossy abelia	C, F	Sibirica-Siberian dogwood	C, F	Compacta-dwarf Japanese holly	C, F	Wax ligustrum	C, F	Rutgers hybrid pyracantha	C, F	Hersey red azalea	F				
Abyssinica acacia	C, F	Bailey-red-osier dogwood	F	Convexa holly	C, F	Yellow tip ligustrum	C, F	Santa Cruz pyracantha	C, F	Hot shot azalea	C, F				
Acacia, prostrate	C, F	Flaviramea-yellowtwig dogwood	F	Dwarf Chinese holly	C, F	Privet, glossy	C, F	Victory pyracantha	F	Hume azalea	F				
Shoestring acacia	C, F	Royal purple smoke tree	C, F	Green luster holly	C, F	California privet	F	Charisma-Monruche raphiolepis	C, F	Inga azalea	F				
Amur maple	C, F	Coral beauty smoke tree	C, F	Helleri-Heller's Japanese holly	C, F	Howardi privet	C, F	Enchantress-Moness raphiolepis	F	Irene Koster azalea	C, F				
Coral bark Japanese maple	C, F	Eichholz smoke tree	C, F	Hetzli's Japanese holly	C, F	Wax leaf privet	C, F	Raphiolepis (India hawthorn)	C, F	President Clay azalea	C, F				
Dwarf Japanese maple	C, F	Praecox-early cotoneaster	C, F	Stokesii Japanese holly	C, F	Privet, golden	F	Springtime-Momne raphiolepis	F	Tradition azalea	C, F				
Queen Anne Lily of the Nile	C, F	Cotoneaster, cranberry	C, F	Compacta-compact inkberry holly	C, F	Vicary golden privet	F	Roundleaf raphiolepis	C, F	Sumac, African	C, F				
Century plant	F	Cotoneaster, Pyrenees	C, F	Nordica-inkberry holly	C, F	Lodense privet	C, F	Cannon's double azalea	C, F	Ramanas rose	C, F				
Cape mallow	C, F	Cotoneaster, bearberry	C, F	Blue boy holly	C, F	Chinese fountain palm	F	Flame azalea	F	Rosemary	F				
Red apple aptenia	C, F	Himalayan cotoneaster	C, F	Blue girl holly	C, F	Winter honeysuckle	C, F	Golden flare azalea	C, F	Dusty-miller/silver ragweed	C, F				
Chirimen marlberry	C, F	Cotoneaster, rock	C, F	China boy holly	C, F	Flowering woodbine	C, F	Klondike azalea	C, F	Japanese scilla	C, F				
False spiraea	C, F	Cotoneaster	C, F	China girl holly	C, F	Serotina woodbine	C, F	Butterfly rhododendron	F	Ruee's skimmia	C, F				
Astilbe/false spirea	C, F	Sago palm	C, F	Ebony magic holly	F	Trumpet honeysuckle	C, F	PJM rhododendron	C, F	Paraguay nightshade	C, F				
Japanese painted fern	C, F	Hollandia-warminster broom	C, F	Nana-dwarf yaupon holly	C, F	Fringe flower	C, F	Catawba album rhododendron	C, F	Anthony Waterer spiraea	C, F				
Coyotebush	F	Lena-Scotch broom	C, F	Pendula-weeping yaupon holly	C, F	Dwarf Oregon grape	C, F	Catawba rhododendron	C, F	First snow spiraea	C, F				
William Penn barberry	C, F	Hollandia-Scotch broom	C, F	Yaupon holly	C, F	Leather leaf mahonia	C, F	Lord Roberts rhododendron	C, F	Lordchias spiraea	C, F				
Mentor barberry	C, F	Fragrant daphne	C, F	Mystery gardenia	C, F	Creeping mahonia	C, F	Rocket rhododendron	C, F	Japanese alpine spiraea	C, F				
Aurea-golden Japanese barberry	F	Naikiana-dwarf deutzia	C, F	Henry Garnet holly leaf sweetspire	C, F	Wax myrtle	C, F	Cuninham White rhododendron	C, F	Shirobana spiraea	C, F				
Crimson pigmy barberry	C, F	Slender gracilis	C, F	Ixora	C, F	Compacta-dwarf heavenly bamboo	C, F	Cannon's double azalea	C, F	Bridal wreath	C, F				
Rose glow barberry	C, F	Hopseed bush	C, F	Hollywood juniper	C, F	Harbour dwarf-heavenly bamboo	C, F	Golden flare azalea	C, F	Chinese lilac	C, F				
Atropurea-redleaf Japanese barberry	F	Fruitland silver berry	C, F	Media-old gold juniper	C, F	Heavenly bamboo (Nandina)	C, F	Klondike azalea	C, F	Lilac, common	F				
Cherry bomb barberry	C, F	Purple bell heather	C, F	Pfitzer juniper	C, F	Nana compacta-heavenly bamboo	C, F	Gomer Waterer rhododendron	C, F	Yew, Japanese	F				
Barbara Karst	C, F	Cornish heather	C, F	Pfitzerana glauca-blue juniper	C, F	Nana purpurea-heavenly bamboo	C, F	Elizabeth rhododendron	C, F	Cape honeysuckle	C, F				
California gold	C, F	Mediterranean pink heather	C, F	Pfitzerana-pfitzer juniper	C, F	Woods dwarf-heavenly bamboo	C, F	Jean Marie rhododendron	C, F	Ternstroemia, Japanese	C, F				
Pink pixie	C, F	Dwarf brush cherry	C, F	Sea green juniper	F	Hardy red oleander	C, F	America rhododendron	C, F	Emerald arborvitae	C, F				
Scarlet O'Hara	C, F	Gold spot euonymus	C, F	Torulosa-hollywood juniper	C, F	Oleander	C, F	English Roseum rhododendron	F	Globosa-globe arborvitae	C, F				
Temple fire	C, F	Chollipo euonymus	C, F	Emerald sea shore juniper	C, F	Ruby lace oleander	C, F	Nova Zembla rhododendron	C, F	Little giant-dwarf arborvitae	C, F				
Texas dawn	C, F	Canadale gold euonymus	C, F	Shore juniper	C, F	Fortunes osmanthus	C, F	Scintillation rhododendron	C, F	Nigra-dark American arborvitae	C, F				
Green velvet boxwood	C, F	Emerald n gold euonymus	F	Andorra juniper	C, F	Japanese spurge	C, F	Rhododendron	C, F	Pyramidalis arborvitae	C, F				
Boxwood, Japanese	C, F	Sunspot euonymus	C, F	Bar Harbor juniper	C, F	Pigmy date palm	C, F	Formosa azalea	C, F	Rheingold arborvitae	C, F				
Korean boxwood	F	Silver king euonymus	F	Blue chip juniper	C, F	Fraser's photinia	C, F	Waucubusa azalea	C, F	Techny arborvitae	C, F				
Boxwood, common	C, F	Variegated evergreen euonymus	C, F	Blue rug juniper	C, F	Lily-of-the-valley	C, F	Blue danube azalea	C, F	Woodwardii arborvitae	C, F				
Bottlebrush, lemon	C, F	Spreading euonymus	C, F	Creeping juniper	C, F	Mountain fire lily-of-the-valley	C, F	Coral bells azalea	C, F	Aureus nana-dwarf golden arborvitae	C, F				
Weeping bottlebrush	C, F	Bigleaf wintercreeper	C, F	Dwarf Andorra juniper	C, F	Snowdrift lily-of-the-valley	C, F	Hino crimson azalea	C, F	Minima glauca-dwarf arborvitae	C, F				
Spring torch scotch heather	C, F	Dwarf euryops	C, F	Huntington blue juniper	C, F	Temple bells lily-of-the-valley	C, F	Hino pink azalea	C, F	Christmas palm	F				
Camellia	C, F	Japanese aralia	C, F	Plumosa-Andorra juniper	C, F	Valley rose lily-of-the-valley	C, F	Mildred azalea	C, F	Pink dawn viburnum	C, F				
Dark knight bluebeard	C, F	Blue marguerite	C, F	Wiltoni-blue carpet juniper	C, F	Valley valentine lily-of-the-valley	C, F	Snow azalea	C, F	Koreanspice viburnum	C, F				
Cassia, feathery	C, F	Forsythia, border	C, F	Nana-dwarf Japanese garden juniper	C, F	Forest flame lily-of-the-valley	C, F	Rhodie max (rosebay)	C, F	David viburnum	C, F				
Wild lilac	F	Spring glory forsythia	C, F	Prostrata juniper	C, F	Mugo-mugho pine	C, F	Rhododendron	F	Viburnum	F				
Plum yew	C, F	August beauty gardenia	C, F	Broadmoor juniper	C, F	Green pittosporum	C, F	Formosa azalea	C, F	Viburnum (v. x juddii)	C, F				
Snow-in-summer	C, F	Gardenia	C, F	Foemina-Hicks juniper	C, F	Wheeler's dwarf pittosporum	C, F	Waucubusa azalea	C, F	Wayfaring tree	F				
Kosteri cypress	C, F	Radican gardenia	C, F	Savin juniper	C, F	Blue cape plumbago	F	Blue danube azalea	C, F	Common snowball viburnum	F				
Nana-dwarf Hinoki cypress	C, F	Salal/lemon leaf	C, F	Tamariscifolia-Tam juniper	C, F	Plumbago	C, F	Coral bells azalea	C, F	Doublefile viburnum	C, F				
Torulosa cypress	C, F	Carolina jessamine	C, F	Emerald green juniper	F	Yewpine	C, F	Aureus nana-dwarf golden arborvitae	C, F	Spring viburnum	F				
Baileyi-dogwood	F	Woodwaxen	C, F	Blue juniper	C, F	Sweet pea shrub	C, F	Triply rhododendron	C, F	Tea bouquet viburnum	C, F				
Flaviramea-dogwood	C, F	Ross Estey-hibiscus	C, F	Blue star juniper	C, F	Blue chip juniper	C, F	Unique rhododendron	C, F	Cranberry bush	C, F				
Squarrosa Minima cypress	C, F	Rose of Sharon, Red Bird	C, F	Parsonii juniper	C, F	Blue star juniper	C, F	Vulcan rhododendron	C, F	Dwarf cranberry bush	C, F				
Filifera-thread cypress	C, F	Rose of Sharon, Red Heart	C, F	Laurel, mountain	C, F	Laurel, mountain	C, F	Ramapo rhododendron	C, F	Viburnum	C, F				
Areca palm	F	Rose of Sharon, Woodbridge	C, F	Crape myrtle	C, F	Crape myrtle	C, F	Gumpo pink azalea	C, F	Bristol ruby weigela	C, F				
Summersweet	C, F	Rose of Sharon, Aphrodite	C, F	Lantana	C, F	Lantana	C, F	Red ace potentilla	C, F	Java red weigela	C, F				
Cleyera, Japanese	C, F	Rose of Sharon, Helene	F	English lavender	C, F	English lavender	C, F	Sunset potentilla	C, F	Minuet weigela	C, F				
Pink breath of heaven	C, F	Balkans holly	F	English spike lavender	C, F	English lavender	C, F	Tangerine potentilla	C, F	Xylosma	F				
		Gold coast holly	F	English lavender	C, F	New Zealand tea tree	C, F	Spring cinquefoil	C, F	Yucca	C, F				
		San Jose holly	C, F	Black eyed magenta cranesbill	C, F	Leucothoe, coast	C, F	Dwarf pink flowering almond	C, F						
		Dwarf dahlia Wendy pink	C, F	Golden hakonechloa	C, F	Dwarf Burford holly	C, F	Lolendei Monrovia pyracantha	F						
		White iceplant	F	Ivy, Algerian	C, F	Pink breath of heaven	C, F	Monon pyracantha	F						
		Descampsia	C, F	Ivy, English	C, F										
		Crimson treasure cheddar pink	C, F	White licorice plant	C, F										
		Fortnight lily	C, F	Daylily	C, F										
		Trailing rosea iceplant	F	Red yucca	C, F										
		Iceplant	C, F	Palace purple	C, F										
		Red abyssinian banana	C, F	Coral bells	C, F										
		Dwarf horsetail	C, F	Amaryllis	C, F										
		Hardy pampasgrass	C, F	Francee plantain lily	C, F										

GROUND COVERS/ PERENNIALS		Treatment Method:													
Common Name		C = Container Grown	F = Field Grown												
Lily of the Nile	C, F	Sedge	C, F	Wallflower	C, F	Albo-marginata hosta	C, F	Honeysuckle, Japanese	F	Mexican hat	C, F				
Peruvian lily	C, F	Ice plant, largeleaf	F	Dwarf euryops	C, F	Patriot plantain lily	C, F	Dotted loosestrife	C, F	Blackeyed Susan	C, F				
Beechgrass	C, F	Madagascar periwinkle	C, F	Pink lisianthus	C, F	Angelita daisy	C, F	Stock	C, F	Blackeyed Susan	C, F				
Snapdragon	C, F	Snow in the summer	C, F	Blue fescue	C, F	St. Johnswort	C, F	Eulalia grass	C, F	Dwarf Katie ruellia	C, F				
Cape weed	C, F	Dwarf plumbago	C, F	Santa Claus Fuchsia	C, F	Busy lizzie	C, F	Bee balm	C, F	Graham's sage	C, F				
Paris daisy	C, F	Florist's chrysanthemum	C, F	Blanket flower	C, F	Yellow dwarf bearded iris	C, F	African iris	C, F	Mexican bush sage	C, F				
Angels' hair	C, F	Chrysanthemum species	C, F	Goblin blanket flower	C, F	Blue siberian iris	C, F	Siskiyou evening primrose	C, F	Autumn joy stonecrop	C, F				
Fern	C, F	Blue bell clematis	C, F	Gaura	C, F	Angelwing jasmine	C, F	Dwarf Mondo grass	C, F	Vera jameson stonecrop	C, F				
Gold coin daisy	C, F	Kafir lily	C, F	Gazania, trailing	C, F	Trailing iceplant	C, F	Mondo grass	C, F	Little hero marigold	C, F				
Deutschland astilbe	C, F	Pampas grass	C, F	Gazania	C, F	Groom teatree/manuka	C, F	Freeway daisy	C, F	Asaian jasmine	C, F				
Tree fern	C, F	False or Mexican heather	C, F	Cranesbill	C, F	Bay feather	C, F	Japanese spurge	C, F	Society garlic	C, F				
New England aster	C, F	Dwarf umbrella grass	C, F	Black eyed magenta cranesbill	C, F	Stalice	C, F	Virginia creeper	C, F	St. Paul verbena	C, F				
New York aster	C, F	Dwarf dahlia Wendy pink	C, F	Golden hakonechloa	C, F	White lily turf	C, F	Zonal geranium	C, F	Periwinkle, bigleaf	C, F				
Heartleaf begonia	C, F	White iceplant	F	Ivy, Algerian	C, F	Lilac beauty lily turf	C, F	Ivy geranium	C, F	Periwinkle, dwarf	C, F				
White ambassador begonia	C, F	Descampsia	C, F	Ivy, English	C, F	Majestic lily turf	C, F	Fountain grass	C, F	Periwinkle	F				
Peter's Gold Bidens	C, F	Crimson treasure cheddar pink	C, F	White licorice plant	C, F	Monroe white lily turf	C, F	Chrimson fountaingrass	C, F	Dwarf zinnia	C, F				
Swan River Daisy New Amethyst China aster	C, F	Fortnight lily	C, F	Daylily	C, F	Silvery sunproof lily turf	C, F	Star cluster	C, F						
		Trailing rosea iceplant	F	Red yucca	C, F	Variegated liriope lily turf	C, F	Apple blossom penstemon	C, F						