

# Preen®



**STOP WEEDS\* Before They Start!**

**SPRINKLE AROUND TREES, SHRUBS**



ACTIVE INGREDIENTS:  
Trifluralin ..... 1.500%  
Isoxaben ..... 0.375%  
OTHER INGREDIENTS: ..... 98.125%  
TOTAL ..... 100.000%

\*See Use Directions for complete list of treated weeds.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See inside panel for First Aid and additional Precautionary Statements.

**Covers 805 Sq. Ft. | Net Wt. 4.93 lbs. (2.24 kg)**



BLOCKS WEEDS\* FOR 6 MONTHS GUARANTEED

\*See Use Directions for complete list of treated weeds.

**THIS PRODUCT IS NOT FOR USE ON LAWNS OR VEGETABLE GARDENS.**

**PRECAUTIONARY STATEMENTS  
KEEP OUT OF REACH OF CHILDREN  
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. Wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, and shoes plus socks. Wash thoroughly with soap and water after handling.

**FIRST AID**

<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergency Medical Information call (888) 208-1368.

**USER SAFETY RECOMMENDATIONS**

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing immediately if drenched or if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**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 AND CONTAINER HANDLING: DO NOT** reuse or refill this container except as described in the DIRECTIONS FOR USE (see Refill Instructions). **IF EMPTY:** Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**ACTIVE INGREDIENTS:**

Trifluralin .....	1.500%
Isoxaben .....	0.375%
Other Ingredients .....	98.125%
<b>TOTAL.....</b>	<b>100.000%</b>

Trifluralin CAS No. 1582-09-8

Isoxaben CAS No. 82558-50-7

Manufactured by Lebanon Seaboard Corporation  
1600 East Cumberland Street | Lebanon, PA 17042

EPA Reg. No. 961-421  
(L) (D)

EPA Est. No. 961-PA-01:961-IL-01  
Superscript used is first letter of lot number.



**PROOF OF PURCHASE**

K/23

SEE INSIDE BOOKLET FOR COMPLETE DIRECTIONS FOR USE AND PLANT LISTINGS

LIFT HERE TO OPEN | PRESS TO RESEAL



gumpo pink azalea  
 harbor dwarf-heavenly bamboo  
 hardy red oleander  
 heavenly bamboo (nandina)  
 helene, rose of sharon  
 helleri-heller's Japanese holly  
 helmet vogel azalea  
 henry gamet holly leaf sweetspire  
 hershey red azalea  
 hetzli's Japanese holly  
 higasa azalea  
 Himalayan cotoneaster  
 hino crimson azalea  
 hino pink azalea  
 hino-crimson azalea  
 holandia-Scotch broom  
 hollandia-warmminster broom  
 hollywood juniper  
 hopseed bush  
 hot shot azalea  
 howardi privet  
 hume azalea  
 huntington blue juniper  
 inga azalea  
 irene koster azalea  
 ixora  
 Japanese alpine spiraea  
 Japanese aralia  
 Japanese barberry  
 Japanese painted fern  
 Japanese skimmia  
 Japanese spurge  
 java red weigela  
 jean marie rhododendron  
 klondike azalea  
 (Rhododendron calendulaceum)  
 klondike azalea  
 (Rhododendron exbury)  
 Korean boxwood  
 Koreanspice viburnum  
 kosteri cypress  
 lantana  
 laurel, mountain  
 leather leaf mahonia  
 lena-Scotch broom  
 leucothoe, coast  
 leucothoe, drooping  
 lilac, common  
 lily-of-the-valley  
 little giant-dwarf arborvitae

lodense privet  
 lolendei monrovia pyracantha  
 lord roberts rhododendron  
 media-old gold juniper  
 Mediterranean pink heather  
 mentor barberry  
 mildred azalea  
 minima glauca-dwarf arborvitae  
 minuet weigela  
 monon pyracantha  
 mountain fire lily-of-the-valley  
 mugo-mugho pine  
 mystery gardenia  
 nakiana-dwarf deutzia  
 nan-dwarf yaupon holly  
 nana compacta-heavely bamboo  
 nana purpurea-heavenly bamboo  
 nana-dwarf hinoki cypress  
 nana-dwarf Japanese garden  
 juniper  
 needle point holly  
 New Zealand tea tree  
 nigra-dark American arborvitae  
 nordica-inkberry holly  
 nova zembla rhododendron  
 oleander  
 Paraguay nightshade  
 parsonii juniper  
 pendula-weeping yaupon holly  
 pfitzer juniper  
 pfitzerana glauca-blue juniper  
 pfitzerana-pfitzer juniper  
 pigmy date palm  
 pink breath of heaven  
 pink dawn viburnum  
 pink pixie  
 PJM rhododendron  
 plum yew  
 plumbago  
 plumosa-andorra juniper  
 praecox-early cotoneaster  
 resident clay azalea  
 privet, glossy  
 privet, golden  
 privet, Japanese  
 prostrata juniper  
 purple bell heather  
 purple gem rhododendron  
 pyramidalis arborvitae  
 queen anne lily of the Nile

radican gardenia  
 ramanas rose  
 ramapo rhododendron  
 red ace potentilla  
 red apple aptenia  
 red bird rose of sharon  
 red elf hybrid pyracantha  
 red heart rose of sharon  
 reeve's skimmia  
 reijn azalea  
 raphiolepis (India hawthorn)  
 rheingold arborvitae  
 rhodie max (rosebay)  
 rhododendron (impeditum)  
 rhododendron (mucronulatum)  
 rocket rhododendron  
 rose glow barbary  
 rosemary  
 ross estey-hibiscus  
 roundleaf raphiolepis  
 royal purple smoke tree  
 ruby lace oleander  
 rutgers hybrid pyracantha  
 sago palm  
 salal/lemon leaf  
 san jose holly  
 santa cruz pyracantha  
 sareca palm  
 savannah holly  
 savin juniper  
 scarlet o'hara  
 scintillation rhododendron  
 sea green juniper  
 serotina woodbine  
 shirobana spiraea  
 shoestring acacia  
 shore juniper  
 sibirica-Siberian dogwood  
 silver king euonymus  
 slender gracilis  
 snow azalea  
 snow-in-summer  
 snowdrift lily-of-the-valley  
 spiraea  
 spreading euonymus  
 spring bouquet viburnum  
 spring cinquofoil  
 spring glory forsythia  
 spring torch Scotch heather  
 springtime-monme raphiolepis

squarrosa minima cypress  
 stokesii Japanese holly  
 sumac, African  
 summersweet  
 sunset rhododendron  
 sunspot euonymus  
 sweet pea shrub  
 tamariscifolia-tam juniper  
 tangerine potentilla  
 tassel fern  
 tea viburnum  
 techny arborvitae  
 temple bells lily-of-the-valley  
 temple fire  
 temstroemia, Japanese  
 Texas dawn  
 Torulosa cypress

**Groundcovers & Perennials**

African iris  
 albo-marginata hosta  
 amaryllis  
 angelita daisy  
 angels' hair  
 angelwing jasmine  
 apple blossom penstemon  
 asian jasmine  
 autumn joy stonecrop  
 bee balm  
 beechgrass  
 big blue lily turf  
 blackeyed magenta cranesbill  
 blackeyed susan  
 blanket flower  
 blue bell clematis  
 blue fescue  
 blue siberian iris  
 broom teatree/manuka  
 busy lizzie  
 cape weed  
 China aster  
 chrimson fountaingrass  
 chrysanthemum species  
 common yarrow  
 coral bells  
 coreopsis, threadleaf  
 cranesbill  
 crimson treasure cheddar pink  
 daylily  
 descampsia  
 deutschland astilbe

torulosa-hollywood juniper  
 tradition azalea  
 tribly rhododendron  
 trumpet honeysuckle  
 unique rhododendron  
 valley rose lily-of-the-valley  
 valley valentine lily-of-the-valley  
 variegated evergreen euonymus  
 viburnum (japonicum)  
 viburnum (judd (v. x juddii))  
 vicary golden privet  
 victory pyracantha  
 vulcan rhododendron  
 waucabusa azalea  
 wax leaf privet  
 wax ligustrum  
 wax myrtle

dotted loosestrife  
 dwarf dahlia wendy pink  
 dwarf euryops  
 dwarf horsetail  
 dwarf katie ruellia  
 dwarf mondo grass  
 dwarf plumbago  
 dwarf umbrella grass  
 dwarf zinnia  
 eulalia grass  
 false or Mexican heather  
 fern  
 florist's chrysanthemum  
 fortnight lily  
 fountain grass  
 francee plantain lily  
 freeway daisy  
 garden petunias  
 gaura  
 gay feather  
 pampas grass  
 Paris daisy  
 patriot plantain lily  
 periwinkle  
 periwinkle, bigleaf  
 periwinkle, dwarf  
 Peruvian lily  
 peter's gold bidens  
 pink lisianthus  
 red abyssinian banana  
 red yucca  
 ribbon grass  
 Russian sage

wayfaring tree  
 weeping bottlebrush  
 wheeler's dwarf pittosporum  
 wild lilac  
 william penn barberry  
 wiltonii-blue carpet juniper  
 winter honeysuckle  
 woadwaxen  
 woodbridge rose of sharon  
 woods dwarf-heavenly bamboo  
 woodwardii arborvitae  
 xylosma  
 yaupon holly  
 yellow tip ligustrum  
 yew, Japanese  
 yewpine  
 yucca

iceplant  
 ivy geranium  
 dwarf euryops  
 ivy, English  
 Japanese spurge  
 kafir lily  
 lilac beauty lily turf  
 lily of the Nile  
 little hero marigold  
 lobelia  
 Madagascar periwinkle  
 majestic lily turf  
 Mexican bush sage  
 Mexican hat  
 mondo grass  
 monroe white lily turf  
 New England aster  
 New York aster  
 palace purple  
 pampas grass  
 Paris daisy  
 patriot plantain lily  
 periwinkle  
 periwinkle, bigleaf  
 periwinkle, dwarf  
 Peruvian lily  
 peter's gold bidens  
 pink lisianthus  
 red abyssinian banana  
 red yucca  
 ribbon grass  
 Russian sage

santa claus fuchsia  
 sedge  
 silvery sunproof lily turf  
 siskiyou evening primrose  
 snapdragon  
 snow in the summer  
 society garlic  
 St. Johnswort  
 st. paul verberna

**Non-bearing fruit and nut tree and non-bearing vineyards\*\***

Almond	Boysenberry	Fig	Kiwi
Apple	Cherry, sour	Filbert	Lemon
Apricot	Cherry, sweet	Gooseberry	Loganberry
Avocado	Currant	Grape, American	Macadamia nut
Blackberry	Dewberry	Grape, European	Nectarine
Blueberry	Elderberry	Grapeturf	Olive

star cluster  
 statice  
 stock  
 swan river daisy new amethyst  
 sweet Alyssum  
 trailing iceplant  
 trailing rosea iceplant  
 tree fern  
 variegated liriopie lily turf

Orange	Pomegranate
Peach	Prune
Pear	Raspberry
Pecan	Walnut, black
Pistachio	Walnut, English
Plum	

\*\*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. 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. 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. The user assumes responsibility for any plant damage or other liability resulting from use of this product on plant species not listed in this label. **DO NOT** apply to any plant-intended for food or feed.

**REFILL INSTRUCTIONS**

This container with applicator cap is reusable with this product. Refill the container with desired amount of this product and use as directed. When done, store or dispose this container as listed on the label.

**WARRANTY**

**Note:** To the extent consistent with applicable law, Buyer assumes all responsibility for safety and performance if this product is not used according to the directions.

**PREEN GUARANTEE**

To the extent consistent with applicable law, Lebanon Seaboard Corporation guarantees you will be satisfied with the performance of this product when used as directed, or your money back. If not satisfied, describe the nature of your problem, and send with proof of purchase to Lebanon Seaboard Corporation, 1600 E. Cumberland St., Lebanon, PA 17042.

Manufactured by Lebanon Seaboard Corporation  
 1600 East Cumberland Street | Lebanon, PA 17042

(L) (D)  
**EPA Est. No. 961-PA-01:961-IL-01**  
 Superscript used is first letter of lot number.  
 Trifluralin CAS No. 1582-09-8  
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**Killing Weeds vs. Weed Prevention**



Pulling or spraying only eliminates weeds\* already above ground.



Preventing creates a barrier that stops weeds\* from germinating.

**Apply Spring, Summer or Fall.**

To keep ornamental beds weed-free\* all year long, reapply this product every 6 months.

\* See Use Directions for complete list of treated weeds.

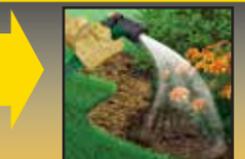
**The Preen® Routine** *Easy Steps to Weed Prevention*



Remove Existing Weeds



Sprinkle Product Evenly



Water Product Into Soil

**PRECAUTIONARY STATEMENTS**

**KEEP OUT OF REACH OF CHILDREN  
 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. Wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, and shoes plus socks. Wash thoroughly with soap and water after handling.

**USER SAFETY RECOMMENDATIONS**

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing immediately if drenched or if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**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 AND CONTAINER HANDLING: DO NOT** reuse or refill this container except as described in the **DIRECTIONS FOR USE** (see Refill Instructions). **IF EMPTY:** Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If swallowed:	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>DO NOT induce vomiting unless told to do so by a poison control center or doctor.</li> <li>DO NOT give anything by mouth to an unconscious person.</li> <li>Move person to fresh air.</li> </ul>
If inhaled:	<ul style="list-style-type: none"> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergency Medical Information call <b>(888) 208-1368</b> .	
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User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing immediately if drenched or if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.	

**ENVIRONMENTAL HAZARDS**  
This product is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. To protect the environment, Broadcast Granular - **DO NOT** allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the garden will help to prevent run off to water bodies or drainage systems.

**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. Intended for outdoor residential use.

## PRODUCT INFORMATION

This product prevents most weeds from germinating for up to 6 months in xeriscape settings, in rock gardens and in flower perennial beds, and around Southwest perennials, ground covers, trees and shrubs. Although this product will not kill existing weeds, it will prevent new listed weeds from sprouting – eliminating the need for difficult and time-consuming hand weeding. Without weeds, your valuable plants can grow larger and stronger. The use of this product with 6-month weed protection in late fall will help keep early spring weeds from germinating and will make spring garden weed preparation easier.

## PRECAUTIONS

**This product is not for use on lawns or vegetable gardens.**  
To prevent possible staining to unintended surfaces, ex.: concrete, stone walks, vinyl surfaces, etc., sweep up stray granules as soon as possible.

- DO NOT apply this product to:**
- Newly transplanted ornamental plants listed in this label, until soil is settled by packing or irrigation and no cracks are present or injury may occur.
  - Ground covers until they are established and well rooted.
  - Ballerina cranebill, Bertram Anderson lingwort, bugle, cajepetree, candytuft, Carolina rhododendron, dwarf burning bush, foxglove, green yucca, hydrangea, luxuriant bleeding heart, mountain sandwort, mustard, oak leaf acanthus, Prince of Wales juniper, purple coneflower, Roseum elegans rhododendron, spurge, stonecrop, summer phlox, white festival baby's breath, wine periwinkle.

**USE RESTRICTIONS**  
Not for sale, distribution or use in New York State. **DO NOT** apply by air. **DO NOT** apply Preen Extended Control Weed Preventer to turf grass grown for seed.

## ENTRY RESTRICTIONS

**DO NOT** allow people or pets to enter the treated area until dusts have settled. If product is watered-in, **DO NOT** enter or allow others (except those involved in the watering) to enter the treated areas until the watering-in is complete and the surface is dry.

WEEDS CONTROLLED	dogfennel	lambquarters, common	phyllanthus, long-stalk
<b>Broadleaf Weeds:</b>	eclipta	lettuce, prickly	pigweed
aster, heath	eveningprimrose	mallow, dwarf	pimpernel, scarlet
aster, slender	fiddleneck, coast	mallow, little	pineappleweed
bindweed, field†	filaree, redstem	mallow, venice†	plantain, bracted
bittercress	filaree, whitestem	marehail	plantain, broadleaf
bittercress, hairy	fireweed	mayweed	plantain, buckhorn
bursattons, southern	fleabane, blackleaved	medic, black	plantain, slender
burclover, California	fleabane, dwarf	milkweed, honeyvine†	plantain, slender
bursage, annual	floribunda, hairy	momingglory, ivyleaf	purslane, common
carpetweed, annual	geranium, Carolina	momingglory, tall†	pursley, Florida†
carrot, wild	goosefoot, nettleleaf	mullein, turkey	radish, wild
celery, wild	groundcherry, lanceleaf	mustard, black	ragweed, common
chamberbitter	groundsel, common	mustard, Indian	rocket, London
chickweed, common	henbit	mustard, wild	rockpurslane, desert
chickweed, mouseear	horseweed	nettle, burning	rockpurslane, redmaids
clover, white	jasmine	nettle, stinging	shepherdspurse
cutweed, purple	knotweed, prostrate	nightshade, black	sibara
dandelion	knotweed, silversheath	oxtongue, bristly	sida, prickly
datura	kochia	pennywort	smartweed, Pennsylvania
dock, curly†	ladysthumb	pepperweed, Virginia	sorrel, red

sowthistle, annual	telegraphplant	bromegrass	panicum, fall
sowthistle, spiny	thisle, musk	cheat	panicum, Texas†
speedwell, purslane	thisle, Russian	crabgrass	ryegrass, annual
speedwell, thymeleaf	velvetleaf	cupgrass, southwestern	sandbur, field
spurge, hyssop	willoweed, panicle	fescue, rattail	shattercane†
spurge, petty	woodsorrel, creeping	foxtail, giant	signalgrass
spurge, prostrate	woodsorrel, yellow	foxtail, yellow	sprangletop, Mexican
spurge, spotted		goosegrass	stinkgrass
sunflower		johnsongrass (seedling)†	witchgrass
sweetclover, yellow	<b>Grassy Weeds:</b>	barley, hare	
swinecress	barley, green	barnyardgrass	
tansymustard, green	bluegrass, annual	bluegrass, annual	
		oat, wild	
			†partially controlled or suppressed

## WHEN TO APPLY

Apply this product at the end of the growing season for weed protection throughout the winter months and into early spring. This product will keep early spring weed seeds from germinating.

Apply this product anytime during the growing season around established ornamental plants in xeriscape settings, in rock gardens and in flower perennial beds, and around Southwest perennials, ground covers, trees and shrubs.

Since this product does not kill existing weeds, you must first remove any weeds that have already begun to grow. By applying this product as early as possible before weeds emerge, you can eliminate the need for hand weeding.

To keep ornamental beds weed-free\* all season long, reapply this product every 6 months.

Repeat applications should not be made sooner than 60 days after a previous application of this product. **DO NOT** exceed 18.37 lbs. of this product per 1000 sq. ft. per year (equivalent to 800 pounds of this product per acre).

\*See Weeds Controlled section for complete list of treated weeds.

## HOW TO APPLY

Before applying this product, remove any weeds that have begun to grow. Sprinkle this product around established plants listed on this label and on soil or gravel at the surface rate.

**Note:** if you will be planting into a site treated with this product in the previous 12 months, use untreated soil as fill around roots when transplanting plants, or injury may occur.

When activated by watering, this product forms a weed control barrier, preventing weed seeds from germinating. Disturbance to the soil or gravel surface after activation may result in erratic weed control. For best results immediately water this product into soil or gravel surface. If watering-in is not convenient, lightly rake into soil or gravel surface.

This product must be soil-incorporated within 24 hours of application either by at least 0.5 acre inch of water (rainfall, 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.

## APPLYING AROUND ESTABLISHED PLANTS & TRANSPLANTS

For established perennials, ground covers, shrubs and trees: sprinkle this product evenly over the entire soil or gravel surface at the **rate of 0.98 oz. per 10 sq. ft.**, being sure to keep granules away from plant roots. **DO NOT** over-apply as injury may occur to plants which are sensitive to this product.



Surface Application Rate: Sprinkle granules at the density shown in this picture.

## APPLYING AROUND ORNAMENTAL BULBS

Preen Extended Control Weed Preventer may be applied for the control of annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply this product to the soil or gravel at surface rate 2 to 4 weeks after planting but prior to the emergence of annual weeds. This product may also be applied following bulb emergence but prior to flowering and after flowering.

For fall planted bulbs, apply this product in late winter or early spring to soil or gravel surface.

**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.

## Applying Preen Extended Control Weed Preventer With Mulch Or Gravel

For best weed control, apply this product after spreading mulch or gravel on your beds. Sprinkle this product on top of mulch or gravel at the surface rate.

## This product Is Suggested For Use Around These Established Plants

American sycamore	eastern white pine	pine oak
Arizona cypress	elderica pine	podocarpus
( <i>Cupressus arizonica</i> )	emerald island leyland	pumilio-shrubby swiss
Arizona cypress	cypress	mountain pine
( <i>Cupressus glabra</i> )	eucalyptus, mealy	queen palm
Australian tree fern	eucalyptus, red ironbark	red gum eucalyptus
Austrian black pine	figus	red maple
babylon weeping willow	filicoides-fernspray cypress	red oak
banana	fir, balsam	red sunset maple
bear oak	fir, white	redbud
birch, river	flame maple	redcedar, eastern
black olive	Florida anise-tree	repens-spreading Norway spruce
Bosnian pine	giant sequoia	roseus-flowering maple
bottle tree	gilt edge silverberry	Russian olive
bristlecone pine	ginkgo (maidenhair tree)	sawara-false cypress
California sycamore	glauca-Colorado blue spruce	Scotch pine
canary island pine	gracilis-slender hinoki cypress	shademaster honey locust
carob	green hawthorn	shamel ash
carrot wood	honey locust	shore pine, beach pine
cat palm	hoopsii-hoop's blue spruce	silver dollar eucalyptus
Chilean mesquite	Italian cypress	silver maple
Chinese elm	Japanese black pine	sourwood
cloud nine dogwood	koster-koster blue spruce	spruce, Norway
columnar Scotch pine	live oak	squarrosa-moss cypress
conica-dwarf Alberta spruce	luteus-flowering maple	sweetgum, American
cooilbah tree	magnolia, Southern	tangerine-flowering maple
corkscrew willow	mahogany	Tasmanian tree fern
cottonwood	Mexican fan palm	toyon
cryptomeria, Japanese	mini ficus	vesuvius red-flowering maple
dogwood, flowering	monterey pine	white mulberry
dwarf Alberta spruce	palm ( <i>chamaedorea costaricana</i> )	willow oak
dwarf globe blue spruce	paper birch	yellow tab
eastern hemlock	parlor palm	yoshino flowering cherry
	pendula-weeping Norway spruce	

Shrubs	carrot azalea	dwarf Japanese maple
abyssinica acacia	cassia, feathery	dwarf Oregon grape
acacia, prostrate	catawba album rhododendron	dwarf pink flowering almond
America rhododendron	catawba rhododendron	dwarf scarlet wonder rhododendron
amur maple	century plant	ebony magic holly
andorra juniper	charisma-monruce rhaphiolepis	edward goucher abelia
anthony waterer spiraea	cherry bomb barberry	eichholz smoke tree
aphrodite rose of sharon	China boy holly	elizabeth rhododendron
areca palm	China girl holly	emerald 'n gold euonymus
astilbe/false spirea	Chinese fountain palm	emerald arborvitae
atropurea-redleaf Japanese barberry	Chinese lilac	emerald green juniper
august beauty gardenia	chionoides rhododendron	emerald sea shore juniper
aurea-golden Japanese barberry	chirimen mariberry	enchantress-moness rhaphiolepis
aureus nana-dwarf golden	chollopo euonymus	english lavender (Lavandula angustifolia)
arborvitae	Christmas palm	English roseum rhododendron
azalea	cinqfeuille	English spike lavender
baileyi-dogwood	cleyera, Japanese	False spinea
baileyi-red-osier dogwood	common snowball viburnum	fashion azalea
Balkans holly	compacta-compact inkberry holly	fillifera-thread cypress
bar harbor juniper	compacta-dwarfheavenly bamboo	first snow spiraea
barbara karst	compacta-dwarf Japanese holly	copper leaf
bigleaf wintercreeper	convexa holly	coral beauty smoke tree
blue boy holly	convexa holly	coral bark japanese maple
blue cape plumbago	coral bells azalea	flowering woodbine
blue chip juniper	cornish heather	foemina-hicks juniper
blue danube azalea	cotoneaster	forest flame lily-of-the-valley
blue girl holly	cotoneaster, bearberry	formosa azalea
blue juniper	cotoneaster, cranberry	forsythia border
blue marguerite	cotoneaster, Pyrenees	fortunes osmanthus
blue rug juniper	cotoneaster, rock	fragrant daphne
blue star juniper	coyotebush	fraser's photinia
blue bush juniper	creeping juniper	fringe flower
bottlebrush, lemon	creeping mahonia	fruitland silver berry
boxwood, common	crepe myrtle	gardenia
boxwood, Japanese	crimson pygmy barberry	gerard christina azalea
bridal wreath	girdard roberta azalea	globe-globe arborvitae
shore pine, beach pine	glossy abelia	gold coast holly
silver dollar eucalyptus	glossy abelia	gold drop pontentilla
silver maple	glossy abelia	gold spot euonymus
sourwood	glossy abelia	golden fire azalea
spruce, Norway	glossy abelia	golden flare azalea
squarrosa-moss cypress	glossy abelia	golden flare exbury azalea
sweetgum, American	glossy abelia	golden flare exbury azalea
tangerine-flowering maple	glossy abelia	goldfinger potentilla
Tasmanian tree fern	glossy abelia	gomer waterer rhododendron
toyon	glossy abelia	gomer luster holly
vesuvius red-flowering maple	glossy abelia	green pittosporum
white mulberry	glossy abelia	green velvet boxwood
willow oak	glossy abelia	
yellow tab	glossy abelia	
yoshino flowering cherry	glossy abelia	