Annus advessinica acacia acacia, prostrate America rhododendron amur maple andorra juniper Anthony Waterer spiraea Aphrodite rose of sharon areca palm astilbe/false spirea atropurea-redleaf Japanese barberry Anunst heautu o ardenia August beauty garde aurea-golden Japanese barberry aureus nana-dwarf golden arborvitae baileyi-dogwood baileyi-red-osier dog Balkans holly bea barber juniser bar harbor juniper barbara karst bigleaf wintercree le boy holly ue cape plumba ue chip juniper blue danube azale blue girl holly blue juniper blue marguerite blue rug juniper blue star juniper bottlebrush, lemo poxwood, common poxwood, Japanese oridal wreath Bristol Ruby weige proadmoor juniper purford holly oush morning glo putterfly rhododer California gold California privet camellia canadale gold euonymus cannon's double azalea (*Rhododendron calendu* annon's double azalea (*Rhododendron* cape honeysuckle cape mallow Carolina jessamine carror azalea cassia, feathery catawba album rhododer catawba rhododendron century plant charisma-monruce rhaph cherry bomb barberry Chize ber bally China boy holly China girl holly Chinese fountain palr Chinese lilac chioniodes rhododen chirimen marlberry chollipo euonymus Christmas palm cinquefoil cleyera, Japanese common snowball viburnum compacta-compact inkberry i ompacta-dwarf heavenly ba compacta-dwarf Japanese hol convexa holly copper leaf coral beauty smoke tree coral bark Japanese maple coral bells azalea cornish heather cotoneaster cotoneaster, bearberr cotoneaster, rock coyotebush cranberry bush creeping juniper creeping mahonia creeping mahonia crepe myrtle crimson pygmy barberry cunningham white rhodode laphinoides rhododendron, lark kniph bluebeard dark knight bluebeard David viburnum dolchia spiraea oublefile viburnu warf brush cherr warf burford holly warf Chinese holly warf cranberry bu dwarf euryops dwarf Japanese maple 
 dwarf Oregon grape
 nigra-dark American arborvitae

 dwarf Scarlet wonder rhododendron
 nova zembla rhododendron

 edward scarlet wonder rhododendron
 oleander

 edward goucher abelia
 Paraguay nightshade

 eichholz smoke tree
 parsonii juniper

 Elizabeth rhododendron
 pendula-weeping yaupon holiy

 emerald arborvitae
 pfitzer juniper

 emerald green juniper
 pfitzerana glauca-blue juniper

 emerald green juniper
 pfitzer de almer
 emerald 'n gold euonymus emerald arborvitae emerald green juniper emerald sea shore juniper enchantress-moness rhaphiolepis

English lavender (Lavandula angustifolia) English lavender (Lavandula officianalis) English roseum hododendron English spike lavender false spirea fashion azalea filifera-thread cypress filifera-thread cypress filifera-thread cypress filare azalea flawiramea-dogwood flawiramea-yellowtwig dogwood flowering woodbine foremina-hicks juniper forest flame lily-of-the-valley formosa azalea forsythia border fortunes osmanthus fragrant daphne fraser's photinia fringe flower fruitland silver berry gardenia Girard's Christina azalea globosa-globe arborvitae globos-globe arborvitae globos-globe arborvitae globos-globe arborvitae gold coast holly gold drop pontentilla gold spot euonymus golden fiare azalea golden fiare azalea goldinger potentilla gomer waterer rhododendron green uster holly green vitosporum hardy red oleander heavenly bamboo (nandina) Heilen-heller's Japanese holly helmut vogel azalea Henry's Garnet holly leaf sweets Hershey's Red azalea hetzii's Japanese holly higasa azalea Henlandia-Warminster broom Hollandia-Scotch broom Hollandia-Scotch broom Hollandia-warminster broom Hollywood juniper hopseed bush hot shot azalea howardi privet hume azalea Irene Koster azalea Irene Koster azalea Japanese apinted fern Japanese painted fern Japanese spurge java red weigela Jean Marie rhododendron klondyke azalea Korean boxwood Koreanspice viburnum kosteri cypress lantana laurel, mountain leather leaf mahonia lean-Scotch broom leucothoe, coast leucothoe, coast leucothoe, drooping lillac, common lilly-of-the-valley lilte giant-dwarf arborvitae lodende imonrovia pyracantha Lord Roberts mododendron media-old gold juniper Mediterranean pink heather mentor barberry mildred azalea minima glauca-dwarf arborvit Koreanspice viburnu minima glauca-dwarf arborvitae minuet weigela monon pyracantha mountain fire lily-of-the-valley mugo-mugho pine mystery gardenia nakiana-dwarf deutzia nana-dwarf yaupon holly nana compacta-heavenly bamboo nana compacta-neavenly bamboo nana-dwarf hinoki cypress nana-dwarf Japanese garden juniper needle point holly New Zealand tea tree

pigmy date palm

pink dawn viburnur pink pixie PJM rhododendron plum yew plumbago plumosa-andorra juniper praecox-early cotoneaster president clay azalea privet, glosy prostrata juniper purple bell heather purple gem rhododendron pryamidalis arborvitae Queen Anne lily of the Nile radican gardenia ramanas rose ramapo rhododendron red ace potentila red appe aptenia red bird rose of sharon red elf hybrid pyracantha red hapet of sharon red elf hybrid pyracantha red neart rose of sharon Reeve's skimmia reijn azalea rhaphiolepsis (India hawthorn rheingold arborvitae rhodie max (rosebay) rhododendron *mucromulatu* rocket rhododendron *mucromulatu* rocket rhododendron *mucromulatu* rocket rhododendron salal/lemon leaf San Jose holly Santa Cruz pyracantha salal/lemon leaf San Jose holly Santa Cruz pyracantha sata Cruz pyracantha sayo palm salal/lemon leaf San Jose holly Santa Cruz pyracantha sayo palm salal/lemon leaf San Jose holly Santa Cruz pyracantha sayo palm salal/lemon leaf San Jose holly Santa Cruz pyracantha sayo palm salal/lemon leaf San Jose holly Santa Cruz pyracantha sayo palm salal/lemon leaf San Jose holly Santa Cruz pyracantha sayo palm scriftilidin rhododendron sea green juniper scrifting acacia shore juniper serotina woodbine shirobana spiraea shoestring acacia shore juniper serotina woodbine shirotana spiraea shoestring acacia shore juniper serotina dogwood silver king euonymus sweet pea shrub tamariscifolia-tam juniper tangerine potentilla tasel fern tea viburnum techny arborvitae ternstroemia, Japanese Texas dawn torulosa-hollywood juniper tradition acalea tribly rhododendron viley rose lily-of-the-valley valey valentine lily-of-the-v waucabusa azalea wax leaf privet wax ligustrum wax myrtle wayfaring tree weeping bottlebrush wheeler's dwarf pittospo wild lilac william penn barbarry. wiltonii-blue carpet ju winter honeysuckle woadwaxen woodbridge rose of sharon woods dwarf-heavenly ban woods wardii arborvi xylosma yaupon holly yellow tip ligustrum yew, Japanese yewpine yucca



# <mark>▶∕¶ Zap</mark>tivity<sup>∞</sup>

nt	Lebanon Seaboard	Colors		
nd	Preen			
ı	Northern Garden Weed Preventer	MAGENTA		
cription	Northern Garden Weed Preventer - Pail			
		BLACK		
e / Version#	06/20/12 / 1	PMS 108		
t Vendor	N/A	PMS 347		
ts	AmericanaBT, Beaufort, Gotham, Helvetica, HelveticaLTStd	PMS 485		
Name	0252-12_Prod1_NGWP_Pail.ai			
97 innovation way   mason, oh 45040   513.701.0398   www.zaptivity.co				









\*See Use Directions for complete list of treated weeds. **KEEP OUT OF REACH OF CHILDREN** See back panel for First Aid and additional Precautionary Statements.

Groundcovers & Perennials		eulalia grass		pampas grass		
African iris			false or Mexican heather		Paris daisy	
albo-marginata hosta		fern			patriot plantain lily	
amaryllis		florist's chrysanthemum		periwinkle		
angelita daisy		fortnight lily			periwinkle, bigleaf	
angels' hair		fountain grass		periwinkle, dwarf		
angelwing jasn		francee plantain lily		Peruvian lily		
apple blossom	penstemon	freeway daisy		peter's gold bidens		
Asian jasmine		garden petunias		pink lisianthus		
autumn joy sto	necrop	gaura		red abyssinian banana		
bee balm		gay feather			red yucca	
beechgrass		gazania			ribbon grass	
big blue lily turf		gazania, trailing		Russian sage		
blackeyed mag		goblin blanket f	lower	santa claus fuchsia		
blackeyed susa	in	gold coin daisy		sedge		
blanket flower		golden hakoned	golden hakonechloa		silvery sunproof lily turf	
blue bell clema	tis	graham's sage			siskiyou evening primros	
blue fescue		green/creeping lily turf		snapdragon		
blue siberian ir		hardy pampasg	rass	snow in the summer		
broom teatree/	manuka	hartwig penster	hartwig penstemon		society garlic	
busy lizzie		heartleaf begonia		St. Johnswort		
cape weed		honeysuckle, Japanese		St. Paul verbena		
China aster	1	ice plant, largeleaf		star cluster		
chrysanthemur		ice plant		statice		
common yarrov	v	ivy geranium		stock		
coral bells		ivy, Algerian		swan river daisy new am		
coreopsis, thre	adleat	ivy, English		sweet alyssum		
cranesbill		Japanese spurge		trailing ice plant		
crimson founta		kafir lily		trailing rosea ice plant		
	re cheddar pink	lilac beauty lily turf		tree fern		
daylily		lily of the Nile		variegated liriope lily turf		
deschampsia	201	little hero marigold		vera jameson stonecrop		
deutschland as		lobelia		Virginia creeper		
dotted loosestr		Madagascar periwinkle		wallflower		
dwarf dahlia we	епау ріпк	majestic lily turf		white ambassador begor		
dwarf euryops		Mexican bush sage		white ice plant		
dwarf horsetail		Mexican hat		white licorice plant		
dwarf katie rue		mondo grass		white lily turf		
dwarf mondo grass		monroe white lily turf		yellow dwarf bearded iris		
dwarf plumbago		New England aster		zonal g	geranium	
dwarf umbrella dwarf zinnia	grass	New York aster				
	uit and nut tree an	palace purple d non-bearing vineya	ards**			
Almond	Boysenberry	Fig	Kiwi	Orange	Pomegranate	
Apple	Cherry, sour	Filbert	Lemon	Peach	Prune	
Apricot	Cherry, sweet	Gooseberry	Loganberry	Pear	Raspberry	
Avocado	Currant	Grape, American	Macadamia nut	Pecan	Walnut, black	
Blackberry	Dewberry	Grape, European	Nectarine	Pistachio	Walnut, Englis	
Blueberry	Elderberry	Grapefruit	Olive	Plum	and an anglis	

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.

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: Nonrefillable container. Do not reuse or refill this container.	
f empty: Place in trash or offer for recycling if available.	
f partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any ndoor or outdoor drain.	

Warranty

Note: To the extent consistent with applicable law, Buyer assumes all responsibility for safety and performance 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., Lebanes DM 17040.

Manufactured by: LEBANON SEABOARD CORPORATION 1600 EAST CUMBERLAND STREET LEBANON, PA 17042 1-800-233-1067 • www.preen.com Preen® is a registered trademark of Leb



Trifluralin CAS No. 1582-09-8 Isoxaben CAS No. 82558-50-7 EPA Reg. No. 961-421



Killing Weeds vs. Weed Prevention





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

If in eyes:	<ul> <li>Hold eye open and rinse sk</li> <li>Remove contact lenses, if p</li> <li>Call a poison control center</li> </ul>			
If swallowed:	<ul> <li>Call a poison control center</li> <li>Have person sip a glass of</li> <li>Do not induce vomiting unle</li> <li>Do not give anything by mo</li> </ul>			
If inhaled:	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, c mouth-to-mouth if possible</li> <li>Call a poison control center</li> </ul>			
Have the product container or label with yo For Emergency Medical Information call (8				

Jser should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Jser should remove clothing immediately if drenched or if pesticide gets inside. Then wash thoroughly and put on clean clothing should remove clothing immediately after handling this product. Wash the outside of gloves before removing. As soon ssible, 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, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in cal veather 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

water bodies or drainage systems. n-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by ollowing label directions intended to minimize drift. may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

**DIRECTIONS FOR USE** 

it will prevent new listed weeds from sprouting - eliminating the need for difficult and time-consuming hand weeding

prevent possible staining to unintended surfaces, ex concrete, stone walks, vinvl surfaces, etc., sweep up stray granules as Do not apply this product to: injury may occur.

Ground covers until they are established and well rooted.
ballerina cranesbill, Bertram Anderson lingwort, bugle, cajeput tree, candytuft, Carolina rhododendron, dwarf burning bush,

USE RESTRICTIONS Entry Restrictions

This product is not for use on lawns or vegetable gardens.



Apply Spring, Summer or Fall.

eep ornamental beds weed-free\* all year g, reapply this product every 6 months. e Use Directions for complete list of treated

barrier that stops weeds

### Easy Steps to Weed Prevention



Water Product Into Soil

Sprinkle Product Evenly

# 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

### FIRST AID

owly and gently with water for 15-20 minutes

f present, after the first 5 minutes, then continue rinsing eye er or doctor for treatment advice.

er or doctor immediately for treatment advice

of water if able to swallow. inless told to do so by a poison control center or doctor.

nouth to an unconscious person.

, call 911 or an ambulance, then give artificial respiration, preferably

ter or doctor for further treatment advice. you when calling a poison control center or doctor, or going for treatment (888) 208-1368.

## USER SAFETY RECOMMENDATIONS

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 NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of

Ground Water Advisory: This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical

Surface Water Advisory: This pesticide may impact surface water quality due to runoff of rain water. This is especially true for il and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff nonths or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface

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

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

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 or (except those involved in the watering) to enter the treated areas until the watering-in is complete and the surface is dry.

# WEEDS CONTROLLED goosefoot, nettleleaf roadleaf Weeds: aster, heath aster, slender bindweed, field† bittercress knotweed, prostrate knotweed, silversheatt kochia ladysthumb lambsquarters, commo lettuce, prickly mallow, dwarf mallow, ittle mallow, evice† marestail mayweed medic, black milkweed, honeyvine† morningglory, tuyleaf morn bittercress, hairv carpetweed† carrot, wild celery, wild chamberbitter chickweed, common chickweed, connorn chickweed, mouseear clover, white cudweed, purple dandelion datura dock, curly† dogfennel ecipta

pigweed pimpernel, scarlet pineappleweed plantain, bracted plantain, broadleaf plantain, broadlear plantain, buckhorn plantain, slender plantan, stender pokewed, common puslane, common pusley, Florida† radish, wild radiwed, common rocket, London rockpurslane, desert rockpurslane, redmaids shepherdspurse shepherdspurse sibara sida, prickly smartweed, Pennsylvania sorrel, red sowthistle, annual southistle, annua swinecress tansymustard, greer

telegraphplant thistle, musk thistle, Russian velvetleaf willoweed, panicle woodsorrel, reeping woodsorrel, reeping woodsorrel, yellow **Grassy Weeds:** barly, hare barnyardgrass bluegrass, annual bromegrass cheat crabgrass cupgrass, southwestern fescue, rattail foxtail, giant foxtail, giant foxtail, giant foxtail, yellow goosegrass johnsongrass (seeding)† junglerice lovegrass cat, wild panicum, fall panicum, field shattercane† signalgrass signalgrass

When to Apply

fiddleneck, coast filaree, redstem filaree, whitestem

fleabane, blacklea fleabane, dwarf galinsoga, hairy geranium, Carolin

# 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

o keep ornamental beds weed-free\* all season long, reapply this product every 6 months. epeat applications should not be made sooner than 60 days after a previous application of this product. Do not exceed 18.37 lbs. of roduct per 1000 sq. ft. per year (equivalent to 800 pounds of this product per acre).

How to Apply y weeds that have begun to grow. Sprinkle this product around established plants lister d on soil or gravel at the surface rate.

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

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

nust be soil-incorporated within 24 hours of application either by at least 0.5 acre inch of water (rainfall, irrigation) nanical incorporation. If a second incorporation is needed it should be delayed 3 to 5 days after the first incorporation and be

## pplying Around Established Plants & Transplant

s: sprinkle this product evenly over the entire soil 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 sensiti

to this product. Surface Application Rate: Sprinkle granules at the density shown in this pic

# 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.

eastern hemlock

Applying Preen Extended Control Weed Preventer With Mulch Or Gravel or best weed control, apply this product after spreading mulch or gravel on your beds. Sprinkle this product on top mulch or gravel at the surface rate.

Preen Extended Control Weed Preventer Is Suggested For Use Around These Established Plants eastern white pi

wering maple	eldarica pine	podocarpus
n sycamore	emerald island leyland	pumilio-shrubby swiss
cypress	cypress	mountain pine
essus arizonica)	eucalyptus, mealy	queen palm
cypress	eucalyptus, red ironbark	red gum eucalyptus
essus glabra)	ficus	red maple
n tree fern	filicoides-fernspray cypress	red oak
black pine	fir. balsam	red sunset maple
weeping willow	fir, white	redbud
1.0	flame maple	redcedar, eastern
	Florida anise-tree	repens-spreading Norway spruc
er	giant seguoia	roseus-flowering maple
/e	gilt edge silverberry	Russian olive
pine	ginkgo (maidenhair tree)	sawara-false cypress
e	glauca-Colorado blue spruce	Scotch pine
ne pine	gracilis-slender hinoki cypress	shademaster honey locust
a sycamore	green hawthorn	shamel ash
sland pine	honey locust	shore pine, beach pine
	hoopsii-hoop's blue spruce	silver dollar eucalyptus
bod	Italian cypress	silver maple
	Japanese black pine	sourwood
mesquite	koster-koster blue spruce	spruce, Norway
elm	live oak	squarrosa-moss cypress
ne dogwood	luteus-flowering maple	sweetgum, American
r Scotch pine	magnolia, Southern	tangerine-flowering maple
warf Alberta spruce	mahogany	Tasmanian tree fern
tree	Mexican fan palm	toyon
w willow	mini ficus	vesuvius red-flowering maple
od	monterey pine	white mulberry
eria, Japanese	palm	white pine
I, flowering	palm (chamaedorea costaricana)	willow oak
perta spruce	paper birch	vellow tab
be blue spruce	parlor palm	voshino flowering cherry

pendula-weeping Norway spruce