

TO OPEN: Cut along dotted line



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

Trifluralin CAS No. 1582-09-8
Isoxaben CAS No. 82558-50-7

See back panel for First Aid and additional Precautionary Statements.

Covers 3,500 Sq. Ft. (325.2 m²) | Net Wt. 21.45 lbs. (9.73 kg)

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

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 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

IF IN EYES:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have 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:	<ul style="list-style-type: none"> 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. 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 Preen Extended Control Weed Preventer. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer in calm weather when rain is not predicted for 24 hours will help 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. Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer in a manner inconsistent with its labeling. Intended for outdoor residential use.

Product Information

Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer 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

Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer 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 cranesbill, Bertram Anderson lingwort, bugle, cajepot tree, 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.

Not for sale, distribution or use in New York State. **DO NOT** apply by air. **DO NOT** apply Preen Garden Weed Preventer with Snapshot 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

Broadleaf Weeds: dogfennel	kochia	ox tongue, bristly	sibara	velvetleaf	jungerice
aster, health	ladysthumb	pennywort	sida, prickly	willoweed, panicle	lovegrass
aster, slender	eveningprimrose	pepperweed, Virginia	smartweed,	woodsorrel, creeping	oat, wild
bindweed, field†	fiddleneck, coast	phyllanthus, long-stalk	Pennsylvania	woodsorrel, yellow	panicum, fall
bittercress	filaree, redrest	pigweed	sorrel, red		panicum, Texas†
bittercress, hairy	filaree, whitestem	pimpernel, scarlet	sowthistle, annual	Grassy Weeds:	ryegrass, annual
brassbuttons, southern	fireweed	pineappleweed	sowthistle, spiny	barley, hare	sandbur, field
burclover, California	fleabane, blackleaved	marestail	plantain, bracted	speedwell, purslane	shattercane†
bursage, annual	fleabane, dwarf	mayweed	plantain, broadleaf	speedwell, thymeleaf	bluegrass, annual
carpetweed†	galinsoga, hairy	medic, black	plantain, buckhorn	spurge, hyssop	bromegrass
carrot, wild	geranium, Carolina	milkweed, honeyvine†	plantain, slender	spurge, petty	cheat
celery, wild	goosefoot, nettleleaf	morningglory, ivyleaf	pokeweed, common	spurge, prostrate	Mexican
chamberbitter	groundcherry, lanceleaf	morningglory, tall†	purslane, common	spurge, spotted	stinkgrass
chickweed, common	groundsel, common	mullein, turkey	pusley, Florida†	sunflower	wildgrass
chickweed, mouseear	herbit	mustard, black	radish, wild	sweetclover, yellow	fescue, raitall
clover, white	horseweed	mustard, Indian	ragweed, common	swinecress	foxtail, giant
codweed, purple	jimsonweed	mustard, wild	rocket, London	tansymustard, green	foxtail, yellow
dandelion	knotweed, prostrate	nettle, burning	rockpurslane, desert	telegraphplant	goosegrass
datura	knotweed, silversheath	nettle, stinging	rockpurslane, redmaids	thistle, musk	johnsongrass
dock, curly†	nightshade, black	shepherdspurge	thistle, Russian	(seedling)†	

When to Apply

Apply Preen Extended Control Weed Preventer at the end of the growing season for weed protection throughout the winter months and into early spring. Preen Extended Control Weed Preventer will keep early spring weed seeds from germinating.

Apply Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer does not kill existing weeds, you must first remove any weeds that have already begun to grow. By applying Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer every 6 months.

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

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

How to Apply

Before applying Preen Extended Control Weed Preventer, remove any weeds that have begun to grow. Sprinkle Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer in the previous 12 months, use untreated soil as fill around roots when transplanting plants, or injury may occur.

When activated by watering, Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer.



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 Preen Extended Control Weed Preventer to the soil or gravel at surface rate 2 to 4 weeks after planting but prior to the emergence of annual weeds. Preen Extended Control Weed Preventer may also be applied following bulb emergence but prior to flowering and after flowering.

For fall planted bulbs, apply Preen Extended Control Weed Preventer 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 Preen Extended Control Weed Preventer after spreading mulch or gravel on your beds. Sprinkle Preen Extended Control Weed Preventer on top of mulch or gravel at the surface rate.

Preen Extended Control Weed Preventer is Suggested For Use Around These Trees Established Plants

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

Shrubs

abyssinica acacia	coral beauty smoke tree	golden fire azalea	bamboo	serotina woodbine
acacia, prostrate	coral bark japanese maple	golden flare azalea	nana purpurea-heavenly bamboo	shirobana spiraea
America rhododendron	coral bells azalea	golden flare exbury azalea	nana-dwarf hinoki cypress	shoestring acacia
amur maple	cornish heather	goldfinger potentilla	nana-dwarf Japanese garden	shore juniper
andorra juniper	cotoneaster	gomer walerer rhododendron	juniper	sibirica-Siberian dogwood
anthony waterer spiraea	cotoneaster, bearberry	green luster holly	needle point holly	sliver king euonymus
areca palm	cotoneaster, cranberry	green pittosporum	New Zealand tea tree	slender gracilis
astilbe/false spiraea	cotoneaster, Pyrenees	green velvet boxwood	nigra-dark American arborvitae	snow azalea
atropurea-redleaf	cotoneaster, rock	gumpo pink azalea	nordica-inkberry holly	snow-in-summer
Japanese barberry	coyotebush	harbor dwarf-heavenly bamboo	nova zambia rhododendron	snowdrift lily-of-the-valley
August beauty gardenia	cranberry bush	hardy red oleander	oleander	spreading euonymus
aurea-golden Japanese barberry	creeping juniper	heavenly bamboo (nandina)	Paraguay nightshade	spring bouquet viburnum
aureus nana-dwarf golden arborvitae	creeping mahonia	helleni-heller's Japanese holly	parsonii juniper	spring cinqueloi
bailei-dogwood	crepe myrtle	helmut vogel azalea	pendula-weeping yaupon holly	spring glory forsythia
bailei-red-osier dogwood	crimson pygmy barberry	henry garnet holly leaf sweetspire	pfizer juniper	spring torch Scotch heather
Balkans holly	cunningham white rhododendron	hershey red azalea	pfizerazera glauca-blue juniper	springtime-momme
bar harbor juniper	daphnoides rhododendron	hetzi's Japanese holly	pirgmy date palm	rhapiolepis
barbara karst	dark knight bluebeard	higasa azalea	privet, pink	squarrosa minima cypress
bigleaf wintercreeper	dauid viburnum	Himalayan cotoneaster	privet, glossy	sumac, African
blue boy holly	dolchia spiraea	hino crimson azalea	privet, golden	summersweet
blue cape plumbago	doublefile viburnum	hino pink azalea	privet, J.M.	sunset potentilla
blue chip juniper	dusty-miller/silver ragweed	hino-crimson azalea	plum yew	sunset euonymus
blue danube azalea	dwarf andorra juniper	hollandia-Scotch broom	plumbago	tamariscifolia-lam juniper
blue girl holly	dwarf burford holly	hollidonia-warmminster broom	plumosa-andorra juniper	trangerine potentilla
blue juniper	dwarf girl holly	hollywood juniper	praecox-early cotoneaster	tassel fern
blue marguerite	dwarf cranberry bush	hopseed bush	president clay azalea	tea viburnum
blue rug juniper	dwarf euryops	hot shot azalea	privet, glossy	techny arborvitae
blue star juniper	dwarf Japanese maple	humi azalea	privet, golden	temple bells lily-of-the-valley
bottlebrush, lemon	dwarf Oregon grape	huntington blue juniper	privet, Japanese	temple fire
boxwood, common	dwarf pink flowering almond	inga azalea	prostrata juniper	ternstroemia, Japanese
boxwood, Japanese	dwarf scarlet wonder rhododendron	irene koster azalea	purple bell heather	Texas dawn
bridal wreath	ebony magic holly	ixora	pyramidalis arborvitae	torulosa cypress
bristol ruy weigela	edward goucher abelia	Japanese alpine spiraea	pyramidalis arborvitae	torulosa-hollywood juniper
broadmoor juniper	eichholz smoke tree	Japanese aralia	pyramidalis arborvitae	tradition azalea
burford holly	elizabeth rhododendron	Japanese painted fern	pyramidalis arborvitae	tribly rhododendron
bush morning glory	emerald 'n gold euonymus	Japanese skimmia	ramanos rose	trumpet honeysuckle
butterfly rhododendron	emerald arborvitae	Japanese spurge	ramapo rhododendron	unique rhododendron
California gold	emerald sea shore juniper	java red weigela	red ace potentilla	valley rose lily-of-the-valley
California privet	emerald sea shore juniper	jean marie rhododendron	red apple aptenia	valley valentine lily-of-the-valley
camellia	enchantsment-moness raphiolepis	klondyke azalea	red elf hybrid pyracantha	variegated evergreen euonymus
canadale gold euonymus	English lavender	(<i>Rhododendron calendulaceum</i>)	reeve's skimmia	viburnum (<i>viburnum japonicum</i>)
cannon's double azalea	(<i>Lavandula angustifolia</i>)	klondyke azalea	reijn azalea	viburnum (<i>viburnum judd</i> (v. x <i>juddii</i>))
(<i>Rhododendron calendulaceum</i>)	English lavender (<i>Lavandula officinalis</i>)	klondyke azalea	rhapiolepis (India	viburnum (<i>viburnum x pragensis</i>)
cannon's double azalea	English roseum rhododendron	(<i>Rhododendron exbury</i>)	hawthorn	vicary golden privet
(<i>Rhododendron exbury</i>)	English roseum rhododendron	Korean boxwood	theingold arborvitae	victory pyracantha
cape honeysuckle	English spike lavender	Koreanspice viburnum	rhodie max (rosebay)	vulcan rhododendron
cape mallow	False spirea	kosteri cypress	rhodie max (rosebay)	waucabusa azalea
Carolina jessamine	fashion azalea	lantana	rhododendron <i>impeditum</i>	wax leaf privet
carrot azalea	fillera-thread cypress	laurel, mountain	rhododendron <i>muconulatum</i>	wax ligustrum
cassia, feathery	first snow spiraea	leather leaf mahonia	rocket rhododendron	wax myrtle
catawba album rhododendron	flame azalea	lena-Scotch broom	rose glow barberry	waxing tree
catawba rhododendron	flaviramea-dogwood	leucothoe, coast	rose of Sharon, aphrodite	weeping bottlebrush
century plant	flaviramea-yellowtwig dogwood	leucothoe, drooping	rose of Sharon, helene	wheeler's dwarf pittosporum
charisma-monrue raphiolepis	flowering woodbine	lily, common	rose of Sharon, red bird	wild lilac
cherry bomb barberry	foemina-hicks juniper	lily-of-the-valley	rose of Sharon, red heart	william penn barberry
China boy holly	forest flame lily-of-the-valley	little giant-dwarf arborvitae	rosesary	wiltonii-blue carpet juniper
China girl holly	formosa azalea	lodense privet	ross esley-hibiscus	winter honeysuckle
Chinese fountain palm	forsythia border	lolendei monrovia pyracantha	roundleaf raphiolepis	woadwaxen
Chinese lilac	fortunes osmanthus	lord roberts rhododendron	royal purple smoke tree	woods dwarf-heavenly bamboo
chionoides rhododendron	fragrant daphne	media-old gold juniper	ruby lace oleander	woodwardii arborvitae
chirimen mariberry	fraser's photinia	Mediterranean pink heather	rutgers hybrid pyracantha	xylodoma
chollipo euonymus	fringe flower	mentor barberry	sago palm	yaupon holly
Christmas palm	fruitland silver berry	mildred azalea	salal/lemon salal	yellow tip ligustrum
cinqfoil	gardenia	monon pyracantha	santa jose holly	yew, Japanese
cleyera, Japanese	gerard christina azalea	mountain fire lily-of-the-valley	santannah palm	yucca
common snowball viburnum	girard roberta azalea	globosa-globe arborvitae	saveannah pine	
compacta-compact inkberry holly	glossy abelia	glossy abelia	scariet o'hara	
compacta-dwarf heavenly bamboo	gold coast holly	gold coast holly	scantillation rhododendron	
compacta-dwarf Japanese holly	gold drop pontentilla	gold drop pontentilla	sea green juniper	
convexa holly	gold spot eu			