



TO OPEN: Cut along dotted line



Preen®



STOP WEEDS* Before They Start!

SPRINKLE AROUND TREES, SHRUBS



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

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 back panel for First Aid and additional Precautionary Statements.

Covers 1,630. Sq. Ft. (151.43 m²) | Net Wt. 10 lbs. (4.54 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 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, 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.

Ground Water Advisory: This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water 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 ground water. 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 cranesbill, Bertram Anderson lingwort, bugle, cajeput 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.

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

Broadleaf Weeds:	fireweed fleabane, blackleaved fleabane, dwarf galinsoga, hairy geranium, Carolina goosefoot, nettleleaf groundcherry, lanceleaf groundsel, common henbit horseweed jimsonweed knotweed, prostrate knotweed, silversheath kochia ladysthumb lambsquarters, common lettuce, prickly mallow, dwarf mallow, little mallow, venice† marestail mayweed medic, black milkweed, honeyvine† momingglory, ivyleaf momingglory, tall† mullein, turkey	mustard, black mustard, Indian mustard, wild nettle, burning nettle, stinging nightsshade, black oxtongue, bristly pennywort peppenweed, Virginia phyllanthus, long-stalk pigweed pimpemel, scarlet pineappleweed plantain, bracted plantain, broadleaf plantain, buckhorn plantain, slender pokeweed, common purslane, common pusley, Florida† radish, wild ragweed, common rocket, London rockpurslane, desert rockpurslane, redmaids shepherdspurge sibara	sida, prickly smartweed, Pennsylvania sorrel, red sowthistle, annual sowthistle, spiny speedwell, purslane speedwell, thymeleaf spurge, hyssop spurge, petty spurge, prostrate spurge, spotted sunflower sweetclover, yellow swinecress tansymustard, green telegraphplant thistle, musk thistle, Russian velvetleaf willoweed, panicle woodsorrel, creeping woodsorrel, yellow	bromegrass cheat crabgrass cupgrass, southwestern fescue, raitail foxtail, giant foxtail, yellow goosegrass johnsongrass (seedling)† jungerlice lovegrass oat, wild panicum, fall panicum, Texas† ryegrass, annual sandrbar, field shattercane† signalgrass sprangletop, Mexican stinkgrass witchgrass	†partially controlled or suppressed
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Grassy Weeds:
barley, hare
barnyardgrass
bluegrass, annual

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

Trees	coolibah tree corkscrew willow cottonwood cryptomeria, Japanese dwarf Alberta spruce dwarf globe blue spruce eastern hemlock eastern white pine eldarica pine emerald island leyland cypress eucalyptus, mealy eucalyptus, red ironbark ficus filicoides-fernspray cypress fir, balsam fir, white flame maple Florida anise-tree giant sequoia gilt edge silverberry ginkgo (maidenhair tree) glauca-Colorado blue spruce gracilis-slender hinoki cypress green hawthorn honey locust	hoopsii-hoop's blue spruce Italian cypress Japanese black pine koster-koster blue spruce live oak luteus-flowering maple magnolia, Southern mahogany Mexican fan palm mini ficus monterey pine palm (<i>chamaedorea costaricana</i>) paper birch parlor palm pendula-weeping Norway spruce pin oak podocarpus pumilio-shrubby swiss mountain pine queen palm red gum eucalyptus red maple red oak red sunset maple redbud redcedar, eastern repens-spreading Norway spruce	roseus-flowering maple Russian olive sawara-false cypress Scotch pine shademaster honey locust shamel ash shore pine, beach pine silver dollar eucalyptus silver maple sourwood spruce, Norway squarrosa-moss cypress sweetgum, American tangerine-flowering maple Tasmanian tree fern toyon vesuvius red-flowering maple white mulberry white pine willow oak yellow tab yoshino flowering cherry
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Shrubs	cape honeysuckle cape mallow Carolina jessamine caror azalea cassia, feathery catawba album rhododendron catawba rhododendron century plant charisma-monruce raphiolepis cherry bomb barberry China boy holly China girl holly Chinese fountain palm Chinese lilac chionoides rhododendron chirimen marlberry chollipo euonymus Christmas palm cinquefoil clevera, Japanese common snowball viburnum compacta-compact inkberry holly compacta-dwarf heavenly bamboo compacta-dwarf Japanese holly convexa holly copper leaf coral beauty smoke tree coral bark Japanese maple coral bells azalea cornish heather cotoneaster cotoneaster, bearberry cotoneaster, cranberry cotoneaster, Pyrenees cotoneaster, rock coyotebush cranberry bush creeping juniper creeping mahonia crepe myrtle crimson pygmy barberry cunningham white rhododendron daphnoides rhododendron dark knight bluebeard david viburnum dolchia spiraea doublefile viburnum dusty-miller/silver ragweed dwarf andorra juniper	dwarf brush cherry dwarf burford holly dwarf Chinese holly dwarf cranberry bush dwarf euryops dwarf Japanese maple dwarf Oregon grape dwarf pink flowering almond dwarf scarlet wonder rhododendron ebony magic holly edward goucher abelia eichholz smoke tree elizabeth rhododendron emerald 'n gold euonymus emerald arborvitae emerald green juniper emerald sea-shore juniper enchantress-moress raphiolepis English lavender (<i>Lavandula angustifolia</i>) English lavender (<i>Lavandula officianalis</i>) English roseum rhododendron English spike lavender False spirea fashion azalea filifera-thread cypress first snow spiraea flame azalea flaviramea-dogwood flaviramea-yellowtwig dogwood flowering woodbine foemina-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 gerard christina azalea girard roberta azalea globosa-globe arborvitae glossy abelia gold coast holly gold drop potentilla gold spot euonymus golden fire azalea	golden flare azalea golden flare exbury azalea goldfinger potentilla gomer waterer rhododendron green luster holly green pittosporum green velvet boxwood gumpo pink azalea harbor dwarf-heavenly bamboo hardy red oleander heavenly bamboo (nandina) helene, rose of sharon helleri-heller's Japanese holly helmut vogel azalea henry garnet holly leaf sweetspire hershey red azalea hetzii's Japanese holly Himalayan cotoneaster hino crimson azalea hino pink azalea hino-crimson azalea Hollandia-Scotch broom Hollandia-warmminster broom hopseed bush hot shot azalea howardi privet hume azalea huntington blue juniper inga azalea irene koster azalea ixora Japanese alpine spiraea Japanese aralia Japanese painted fern Japanese skimmia Japanese spurge java red weigela jean marie rhododendron klondyke azalea Korean boxwood Koreanspice viburnum kosteri cypress lantana laurel, mountain
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Shrubs - (continued)

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-heavenly 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
pfizerana glauca-blue juniper
pfizerana-pfizer juniper
pigmy date palm
pink breath of heaven
pink dawn viburnum
pink pixie
PJM rhododendron
plum yew
plumbago
plumosa-andorra juniper
praecox-early cotoneaster
president 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
rhapiolepis (India hawthorn)
rheingold arborvitae
rhodie max (rosebay)
rhododendron (*rhododendron impeditum*)
rhododendron (*rhododendron mucronulatum*)
rocket rhododendron
rose glow barberry
rosemary
ross estey-hibiscus
roundleaf raphiolepis
royal purple smoke tree

ruby lace oleander
rutgers hybrid pyracantha
sago palm
sala/lemon leaf
san jose holly
santa cruz pyracantha
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
spreading euonymus
spring bouquet viburnum
spring cinquefoil
spring glory forsythia
spring torch Scotch heather
springtime-monme raphiolepis
squarosa minima cypress
stokesii Japanese holly
sumac, African
summersweet
sunset potentilla
sunspot euonymus
sweet pea shrub
tamariscifolia-tam juniper
tangerine potentilla
tassel fern
tea viburnum
techny arborvitae
temple bells lily-of-the-valley
temple fire
ternstroemia, Japanese
Texas dawn
torulosa cypress
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 (*viburnum japonicum*)
vicary golden privet
victory pyracantha
vulcan rhododendron
waucabusa azalea
wax leaf privet
wax ligustrum
wax myrtle
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

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 treatree/manuka
busy lizzie
cape weed
China aster
chrysanthemum species
common yarrow
coral bells
coreopsis, threadleaf
cranesbill
crimson fountaingrass
crimson treasure cheddar pink
daylily
deschampsia
deutschland astilbe
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
gazania
gazania, trailing
goblin blanket flower
gold coin daisy
golden hakonechloa
graham's sage
green/creeping lily turf
hardy pampasgrass
hartwig penstemon
heartleaf begonia
honeysuckle, Japanese
ice plant, largeleaf
ice plant
ivy geranium
ivy, Algerian
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 verbena
star cluster
statice
stock
swan river daisy new amethyst
sweet alyssum
trailing ice plant
trailing rosea ice plant
tree fern
variegated liriopelily turf
vera jameson stonecrop
Virginia creeper
wallflower
white ambassador begonia
white ice plant
white licorice plant
white lily turf
yellow dwarf bearded iris
zonal geranium

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

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, English
Blueberry	Elderberry	Grapefruit	Olive	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.

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.

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.

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 / Fabricado por:
LEBANON SEABOARD CORPORATION
1600 EAST CUMBERLAND STREET
LEBANON, PA 17042

1-800-233-1067 • www.preen.com

Preen® is a registered trademark of Lebanon Seaboard Corporation

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Isoxaben CAS No. 82558-50-7
EPA Reg. No. 961-421

(L) (D)
EPA Est. No. 961-PA-01; 961-IL-01

Superscript used is first letter of lot number.

