

# Preen®

## LAWN WEED KILLER



**KILLS TO THE ROOT**  
Concentrate



### Kills weeds NOT lawns

- Kills dandelions, clover, even poison ivy
- Fast acting formula, rainproof in hours

Keep out of reach of children  
**CAUTION**

See back panel for additional Precautionary Statements.

**NET 32 FL OZ (1 QT) 946mL**

ACTIVE INGREDIENTS:  
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid.....5.56%  
Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid.....1.34%  
Dimethylamine salt of dicamba: 3,6-dichloro-o-anisic acid.....0.62%  
INERT INGREDIENTS:.....92.48%  
TOTAL.....100.00%

THIS PRODUCT CONTAINS:  
4.62% 2,4-dichlorophenoxyacetic acid equivalent  
1.11% (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent  
0.51% 3,6-dichloro-o-anisic acid equivalent  
Isomer Specific by AOAC Methods.  
Contains the single isomer form of Mecoprop-p.

SPECIMEN LABEL

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**STOP - Read the entire label first.  
Observe all precautions and follow directions carefully.**



### Where to Use

Preen® Lawn Weed Killer may be used on residential and ornamental lawns, vacant lots, playgrounds and other similar areas where broadleaf weeds are present. Established turf of bahiagrass, bermudagrass, Kentucky bluegrass, centipedegrass, fescues, perennial ryegrass, St. Augustinegrass, and zoysiagrass may be treated. This product is especially effective on all hard-to-kill weeds such as poison ivy, poison oak, sheep sorrel and spurge. In addition, Preen® Lawn Weed Killer controls most other broadleaf weeds, including sensitive weeds such as chickweed, clover, dandelion, knotweed and plantain. A partial list is given on a following panel.

### When to Use

1. Spray at any time during the growing season when weeds are actively growing.
2. On new lawns, wait until the grass has reached a height of 2 inches before making an overall spray treatment. However, a spot treatment may be made at any time with a small pressure sprayer. Wait 3 weeks after treatment before seeding grass seed or planting sprigs or stolons.
3. Poor weed control may result if spray is applied during drought or just before rain.
4. For best results, mow before treatment.
5. Do not water lawn within 24 hours after treatment.

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### PREEN GUARANTEE

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 EAST CUMBERLAND STREET  
LEBANON, PA 17042**



Preen® is a registered trademark of  
Lebanon Seaboard Corporation.

9/04

**PROOF OF PURCHASE**

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## Controls

### Brush and vines:

Alder	Cottonwood	Marijuana	Serviceberry
Ash	Cucumber tree	Manzanita	Skunkbrush
Aspen	Dogwood	Matrimony vine	Snowberry
Bindweed	Elderberry	Moonseed vine	Spruce
Birch	Elm	Mountain ash	Sumac
Black cherry	Giant ragweed	Multiflora rose	Sumac, dwarf
Black locust	Gooseberry	Oak	black
Blackberry	Hackberry	Olive, Russian	Sycamore
Brambles	Hazel	Peppervine	Tamarisk
Buckbrush	Hemp	Persimmon	Thistle
Buffalo berry	Himalayan	Pine	Trumpet vine
Bush morning-glory	blackberry	Pine, shortleaf	Trumpet creeper
Buttonbush	Honeysuckle	Poison ivy	Virginia creeper
Cedar	Honeysuckle,	Poison oak	Wild plum
Chamise	Japanese	Poplar	Willow
Cherry, wild	Kudzu	Raspberry	Winterberry &
Coastal sage	Lilac, common	Redvine	other brush,
		Sagebrush	trees & vines
		Saltbush	

### Sensitive weeds:

Bedstraw	Chickweed	Knotweed	Purslane
Black medic	Clover	Lambsquarters	Ragweed
Buckhorn	Dandelion	Peppergrass	Shepherdspurse
		Plantain	Wild lettuce

### Hard-to-kill weeds:

Chicory	Mallow	Poison oak	Wild carrot
Dock	Morningglory	Sheep sorrel	Wild onion
Ground ivy	Oxalis	Speedwell	Yarrow
Healall	Pigweed	Spurge	
Lespedeza	Poison ivy	Virginia	
		buttonweed	

### Other weeds controlled:

Annual yellow	Black-eyed Susan	Bullnettle	Cinquefoil
sweetclover	Black mustard	Burclover	Cockle
Aster	Blessed thistle	Burdock	Cocklebur
Austrian fieldcress	Bloodflower	Burning nettle	Common mullein
Beggarticks	milkweed	Burweed	Creeping jenny
Betony, Florida	Blue lettuce	Buttercup	Cudweed
Bindweed, field	Blue vervain	Buttonweed	Daisy: English,
Bird vetch	Bristly oxtongue	Canada thistle	oxeye
Bitter wintercress	Broomweed	Carolina geranium	Daisy fleabane
Bittercress, hairy	Bulbous buttercup	Carpetweed	Dichondra
Bitterweed	Bull thistle	Catnip	Dogfennel
		Catsear	Dollarweed

### Other weeds controlled: (continued)

False dandelion	Mustard	Sorrel	Wild aster
Falseflax	Narrowleaf vetch	Sowthistle	Wild buckwheat
False sunflower	Nettle	Spanishneedles	Wild four-o'clock
Fiddleneck	Orange	Spiny amaranth	Wild garlic
Florida pusley	hawkweed	Spiny cocklebur	Wild geranium
Frenchweed	Oriental	Spiny sowthistle	Wild marigold
Galinsoga	cocklebur	Spotted catsear	Wild mustard
Goldenrod	Parsley-piert	Spurweed	Wild parsnip
Gumweed	Parsnip	Stinging nettle	Wild radish
Hairy fleabane	Pearlwort	Strawberry, India	Wild rape
Hawkweed	Pennycress	mock	Wild strawberry
Heartleaf drymary	Pepperweed	Tall nettle	Wild sweet potato
Heath aster	Plains coreopsis	Tall vervain	Wild vetch
Hedge bindweed	Pokeweed	Tansy ragwort	Woodsorrel
Hedge mustard	Poorjoe	Tansy mustard	Woolly croton
Henbit	Prairie sunflower	Tanweed	Wormseed
Hoary cress	Prickly lettuce	Thistle	Yellow rocket
Hoary vervain	Prickly sida	Trailing	Yellowflower
Horsenettle	Prostrate vervain	crownvetch	pepperweed
Jimsonweed	Puncturevine	Tumble mustard	and other
Knawel	Red sorrel	Velvetleaf	broadleaf weeds
Kochia	Redstem filaree	Virginia creeper	
Matchweed	Rough cinquefoil	Virginia pepper-	
Mexicanweed	Rough fleabane	weed	
Milk vetch	Russian thistle	Wavyleaf	
Mouseear	Scarlet pimpernel	bullthistle	
hawkweed	Scotch thistle	Western clematis	
Mugwort	Smallflower	Western salsify	
Musk thistle	galinsoga	White mustard	

### Hardy weeds

For hardy weeds such as clover, ground ivy, oxalis, sheep sorrel, dock, thistles, and morningglory, and Virginia buttonweed in lawns and other areas, repeat application in two to three weeks if necessary.

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## Directions for Use

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried or dust has settled.

### Other Use Precautions

- Do not allow drift onto vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants since injury may result. Do not pour spray solutions near these plants.
- Whether using a hose end sprayer or pressure sprayer, do not use sprays that are fine because they can drift and cause damage to nontarget plants. Coarse droplet sprays are less likely to drift. Use only lawn-type sprayers.
- Do not spray on carpetgrass, dichondra, Lippia, nor on lawns or turf where desirable clovers are present. Do not spray roots of trees and ornamentals.
- Do not exceed specified dosages for any area; be particularly careful within dripline of tree and other ornamental species.
- This product may be injurious to St. Augustinegrass and centipedegrass if misapplications occur. Do not apply this product to 'Floritam' St. Augustinegrass in Florida.

The maximum application rate to turf is 2.0 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

## Hose End Sprayers

### How to Apply

Shake well before applying. Connect spray nozzle to hose. Remove bottle cap and screw bottle onto nozzle. Turn the "ON/OFF" switch on top of the nozzle right to left to "OFF". Turn on the water at the tap. When ready to treat, turn the "ON/OFF" switch to its center "ON" position. The water mixes automatically with the product at the proper ratio. Walk and spray at a steady pace. Each mark on the side of bottle covers 1,000 to 1,200 square feet.

Use a hose end sprayer designed for home lawn care. Refer to Charts 1 and 2 for the proper amounts of Preen® Lawn Weed Killer. Determine the area of turf to be treated. Pour the recommended amount of product (Column 1) into the bottle, add water to the indicated level (Column 2), and spray uniformly on turf area shown in Column 3.

## Pressure Sprayers, Backpack Sprayers, or Other Manually Operated Sprayers

Prepare the appropriate amounts of spray mixtures according to Chart 3. Measure the recommended amount of Preen® Lawn Weed Killer into the spray tank and dilute with the proper amount of water. Use a spray pattern with small droplets and treat the area indicated in Chart 3.

### Chart 1

Amounts of Preen® Lawn Weed Killer for bahiagrass, bermudagrass, Kentucky bluegrass, fescues, perennial ryegrass, and zoysiagrass lawns applied with hose end sprayers.

Column 1		Column 2	Column 3
Amount to Use		Fill Bottle To (Gallons)	Area to Treat (Square Feet)
(Tablespoons)	(Fluid Ounces)		
10 to 12	5 to 6	5	950
20 to 24	10 to 12	10	1,900
30 to 36	15 to 18	15	2,850
40 to 48	20 to 24	20	3,800

**Note:** For these grasses apply the entire contents of this container (32 fluid ounces) on 5,000 to 6,000 square feet of turf.

### Chart 2

Amounts of Preen® Lawn Weed Killer for centipedegrass and St. Augustinegrass lawns applied with hose end sprayers.

Column 1		Column 2	Column 3
Amount to Use		Fill Bottle To (Gallons)	Area to Treat (Square Feet)
(Tablespoons)	(Fluid Ounces)		
6	3	5	950
12	6	10	1,900
18	9	15	2,850
24	12	20	3,800

**Note:** For St. Augustinegrass and centipedegrass apply the entire contents of this container (32 fluid ounces) on 10,000 square feet of turf.

### Chart 3

A. For bahiagrass, bermudagrass, Kentucky bluegrass, fescues, perennial ryegrass, and zoysiagrass lawns.

Amount to Use		Amount of Water in Sprayer (Gallons)	Area to Treat (Square Feet)
(Tablespoons)	(Fluid Ounces)		
2 to 2.4	1 to 1.2	¾	190
4 to 4.8	2 to 2.4	1½	380
8 to 9.6	4 to 4.8	3	760

### Chart 3

B. For centipedegrass and St. Augustinegrass lawns.

Amount to Use		Amount of Water in Sprayer (Gallons)	Area to Treat (Square Feet)
(Tablespoons)	(Fluid Ounces)		
2 to 2.4	1 to 1.2	3/4	380
4 to 4.8	2 to 2.4	1 1/2	760
8 to 9.6	4 to 4.8	3	1,520

### Spot Spraying

To spray individual weeds, do not use a hose end sprayer. Mix 1 fluid ounce (2 Tablespoons) of Preen® Lawn Weed Killer in 1/2 gallon of water in a pressure sprayer. Spray to wet individual weeds.

### General Brush Control

For control of brush along roads and other similar noncrop areas, mix 10 to 14 fluid ounces of Preen® Lawn Weed Killer in 3 gallons of water and apply over 1,000 square feet. Use the higher rate of product for larger plants or more dense brush stands. Refer to Table 1 for additional instructions for spray preparations with water.

Best results are obtained when brush is young and actively growing. Do not cut brush until the herbicide has translocated throughout the plant causing root death. Keep out of lakes, streams and ponds.

**Table 1**

Mixing instructions for preparing 1 to 9 gallons of spray solution with water for foliar application.

Spray Solution Desired (Gallons)	Amount of Preen Required	
	Normal Rate	High Rate (for larger plants or more dense brush)
0.25 (32 fl. oz.)	0.83 fl. oz.	1.16 fl. oz.
1	3 1/3 fl. oz.	4 2/3 fl. oz.
2	6 2/3 fl. oz.	9 1/3 fl. oz.
3	10 fl. oz.	14 fl. oz.
4	13 1/3 fl. oz.	18 2/3 fl. oz.
5	16 2/3 fl. oz.	23 1/3 fl. oz.
6	20 fl. oz.	28 fl. oz.
7	23 1/3 fl. oz.	32 2/3 fl. oz.
8	26 2/3 fl. oz.	37 1/3 fl. oz.
9	30 fl. oz.	42 fl. oz.

Equal measures: 1.0 fl. oz. = 2 tablespoons of product  
1.0 quart = 32 fl. oz. = 2 pints = 4 cups

### Warranty

The Distributor warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Distributor, and Buyer assumes the risk of any such use.

SPECIMEN LABEL

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**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION** Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wear face shield or goggles when mixing, loading or applying this product. When using this product, wear long-sleeved shirt, long pants, socks, shoes and rubber gloves.

After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

**FIRST AID**

<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>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<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>• 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> </ul>

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

**Environmental Hazards**

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCP-p have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCP-p pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

**Storage and Disposal**

**Storage:** Keep from freezing. Store in original container in a locked storage area inaccessible to children and pets. Do not store near food or feedstuffs.

**Disposal:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or toll free number (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain.

Distributed by  
LEBANON SEABOARD CORPORATION  
1600 EAST CUMBERLAND STREET  
LEBANON, PA 17042  
1-800-233-1067  
www.preen.com

EPA Reg. No. 2217-540-961  
EPA Est. No. 47427-OH-002

OPEN FOR COMPLETE DIRECTIONS FOR USE.

PRESS TO RESEAL

Base Label

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