

961-280

3/25/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

Lebanon Seaboard Corporation  
1600 East Cumberland St.  
Lebanon, PA 17042

MAR 25 2010

Subject: Label Amendment  
EPA Reg. No.: 961-280  
Preen, the Weed Preventer

Dear Ms. Covert,

The Agency has received your application for an amendment to the subject labeling, dated December 29, 2009. The label described above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided you make the following modifications:

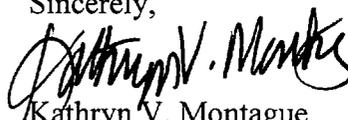
1. Remove or qualify the following marketing claims: "Apply any time throughout the growing season," and "Apply anytime – spring, summer, or fall." The label restrictions require an 8-week interval between applications, along with other restrictions on application timing, so the term "anytime" is misleading and could lead the user to apply the product incorrectly and/or more frequently.
2. In the Environmental Hazards section, add the words, "or rinseate," after the word, "washwaters."
3. On page 3, in the "Trees" section, move banana, crabapple, carob, mulberry, and any other potentially food-producing trees to the "Nonbearing Fruit and Nut Trees and Plants" section, or otherwise specify that these must be non-bearing.
4. In the "Preen Guarantee" section, add the words, "To the extent consistent with applicable law," to the front of the first sentence in the second paragraph.
5. NOTE: While no additional data is being requested at this time, marketing claims made on the pesticide label must be substantiated by data maintained in your files. If data supporting marketing claims made on the product label is not available then those claims must be removed.

This labeling supersedes all previous accepted labeling for this product. Please submit one (1) copy of the final printed label before the product is released for shipment. If you

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have any questions, please contact Kathryn Montague (703-305-1243 or [montague.kathryn@epa.gov](mailto:montague.kathryn@epa.gov) ).

Sincerely,



Kathryn V. Montague  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)

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# PREEN® THE WEED PREVENTER

NOT FOR USE ON LAWNS

**ACTIVE INGREDIENT:**

Trifluralin ..... 1.47%

**OTHER INGREDIENTS:** ..... 98.53%

**TOTAL** ..... 100.00%

EPA Reg. No. 961-280  
CAS No.1582-09-8

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

**MANUFACTURED BY:**  
LEBANON SEABOARD CORPORATION  
1600 EAST CUMBERLAND STREET  
LEBANON, PA 17042  
1-800-233-1067  
www.preen.com

**NET WEIGHT: XX LBS. (X.XX kg)**  
**WEEDS X,XXX SQ. FT.**

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

See back panel for additional Precautionary Statements

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**

MAR 25 2010

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under FIFRA Reg. No.

961-280

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# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

### FIRST AID

**IF IN EYES:** • 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:** • 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 ON SKIN** • Take off contaminated clothing.

**OR CLOTHING:** • Rinse skin immediately with plenty of water for 15-20 minutes.

• Call a poison control center or doctor for treatment advice.

**IF INHALED:** • 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.

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply directly to water. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to drift or runoff. Do not contaminate water when disposing of equipment washwaters. 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 will help to ensure that wind does not blow 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.

### DIRECTIONS FOR USE

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

### PRODUCT INFORMATION

Preen prevents most weeds from germinating in flower and vegetable gardens, in ground covers and around trees and shrubs. Although Preen will not kill existing weeds, it will prevent new weeds from sprouting - eliminating the need for difficult and time-consuming hand weeding. Without weeds, your valuable plants can grow larger and stronger. Your beds will stay neat and weed-free all season long.

### PRECAUTIONS AND RESTRICTIONS

**NOT FOR USE ON PLANTS BEING GROWN FOR SALE OR OTHER COMMERCIAL USE, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES. FOR USE ON PLANTS INTENDED FOR AESTHETIC PURPOSES, OR CLIMATIC MODIFICATIONS AND BEING GROWN IN ORNAMENTAL GARDENS.**

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.

Do not apply to Ajuga, Myrtle or Pachysandra until it is well established, as injury may result. Do not apply Preen to muck soils or to soils containing more than 10% organic matter. Do not over-apply; injury may occur to subsequent crops which are sensitive to Preen. Do not use with crops other than those listed on this label. **This product is not for use on lawns**, nor for use in enclosed areas, such as greenhouses. To prevent possible staining to unintended surfaces, ex.: concrete, stone walks, vinyl surfaces, etc., sweep up stray granules as soon as possible.

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

### ANNUAL WEEDS CONTROLLED

**Grassy weeds:** Barley, Hare; Barnyardgrass (Watergrass); Bluegrass, Annual; Brome; Cheat; Crabgrass; Cupgrass: Southwestern, Woolly; Fescue, Rattail; Foxtail; Guinea grass; Goosegrass; Johnsongrass (from seed); Junglerice; Lovegrass; Oat, Wild; Panicum: Fall, Texas; Sandbur; Shattercane; Signalgrass (*Brachiaria*); Sprangletop; Stinkgrass; Wildcane; Witchgrass. Also controls these **broadleaf weeds:** Carelessweed; Carpetweed; Chickweed; Goosefoot; Henbit; Knotweed; Kochia; Lambsquarters; Nettle, Stinging; Pigweed; Puncturevine (Western U.S. only); Purslane; Pusley, Florida; Thistle, Russian.

## PREEN IS RECOMMENDED FOR USE AROUND THESE ESTABLISHED PLANTS

**Bulbs, Flowers, Herbs, Ground Covers & Ornamental Grasses** -- Aaron's beard; Alyssum; Arctotis; Aster (perennial); Aster, Stoke's; Baby's breath; Balsam; Beard tongue; Bee balm; Begonia; Bellflower; Black-eyed susan; Bleeding heart; Bunge; Calendula; Calliopsis; Cape weed; Carex, Variegated; Carnation; Carpet bugle (*Ajuga*); Ceanothus; Centaurea, Velvet; Chrysanthemum; Coneflower, Purple; Coral bells; Coreopsis; Cornflower, Purple; Cosmos; Cotoneaster; Coyote bush, Dwarf; Crown vetch; Daffodil; Dahlia; Daisy: African, Painted, Shasta, Trailing African; Daylily; Descampsia; Dianthus; Dusty miller; Fern, Asparagus; Fescue, Blue; Floss flower (*Ageratum*); Forget-me-not; Four o'clock; Foxglove; Gaillardia; Gayfeather; Gazania; Geranium; Germander; Geum; Gladiolus (corms more than 1" in diameter); Golden glow; Grass: Beech, Dwarf Mondo, Eulalia, Fountain, Mascarene, Mondo, Pampas, Ribbon, Zoysia; Guara; Hakonechloa, Golden; Hollyhock; Hosta, Albo-marginata; Hyacinth; Ice plant: Largeleaf, Trailing, Trailing rosea, White; Impatiens; Iris, Bulbous; Ivy: Algerian, California, English, Needlepoint; Ixora; Jasmine: Angelwing, Asaian; Lamb's ears; Lavender, English; Lily turf: Big blue, Green/creeping, Lilac beauty, Magestic, Silvery sunproof, Variegated liriopse, White; Lily-of-the-nile; Lobelia; Lupine (*Lupinus*); Marigold; Marigold, Cape (*Dimorphotheca*); Morningglory; Myoporum; Narcissus; Nasturtium; Nicotiana; Ozark sundrop; Periwinkle (*Vinca*); Peter Pan, Dwarf; Petunia; Phlox; Pincushion flower (*Scabiosa*); Plumbago, Dwarf; Poppy, California; Portulaca; Rockrose; Rose; Rosemary; *Rudbeckia*; Rupturewort; Sage, Russian; Salvia; Silver mound; Snapdragon; Snow-in-summer; Snow-on-the-mountain; Speedwell; Spurge, Japanese; St. John's wort; Statice; Stock; Stonecrop (*Sedum*); Strawberry, Beach; Sunflower; Sweet alyssum; Sweet pea; Sweet sultan; Sweet william; Thrift; Tickseed; Tulip; Verbena; Wire plant; Wirevine, Creeping; Yarrow (*Achillea*); Zinnia.

**Shrubs** -- Abelia: Edward Goucher, Glossy; Acacia: Abyssinica, Prostrate, Shoestring; Andromeda, Japanese; Arborvitae: American, Aureus nana-dwarf golden, Emerald, Globosa-globe, Little giant-dwarf, Minima glauca-dwarf, Nigra-dark American, Pyramidalis-pyramid, Rheingold, Techny; Azalea; Bamboo: Compacta-dwarf, Harbour dwarf-heavenly, Heavenly, Nana-compacta-heavenly, Nana purpurea-heavenly, Woods dwarf heavenly; Barberry: Atropurea-redleaf Japanese, Aurea-golden Japanese, Crimson pygmy, Japanese, Mento, Rose glow, William Penn; Bottlebrush: Lemon, Weeping; *Bougainvillea*: Barbara Karst, California gold, Pink pixie, Scarlett O'Hara, Temple fire, Texas dawn; Boxwood: Common, Harlands, Japanese, Korean, Littleleaf; Broom: Hollandia-warminster, Lena-Scotch; Camellia: Japanese, Sasanqua; Cassia, Feathery; Century plant; Cherry: Carolina laurel, Dwarf pink flowering almond; Cinquefoil; Cleyera, Japanese; Cotoneaster: Bearberry, Cranberry, Himalayan, Praecox-early, Pyreneese, Rock, Zabel; Coyotebush; Cypress: Filifera-thread, Kosteri, Nana-dwarf Hinoki, Torulosa; Daphne, Fragrant; Deutzia; Dogwood: Baileyi red osier, Flaviramea-yellowtwig, Sibirica-Siberian; Elaeagnus; Euonymus: Canadale, Emerald'n gold, Silver king, Spreading, Sunspot, Variegated evergreen, Winged, Wintercreeper; Fern: Tassel, Japanese painted; Firethorn (*Pyracantha*); Forsythia; Gardenia: August beauty, Mystery, Radican; Guava, Pineapple; Hawthorn, India; Heather: Cornish, Purple bell, Mediterranean pink, Spring torch scotch; Hibiscus, Ross Estey; Holly; Honeysuckle: Cape, Trumpet; Hopseed bush; Ixora; Jessamine, Carolina; Juniper; Lantana; Laurel: American Cherry, Mountain; Leaf: Copper, Sala/lemon; Leucothoe: Coast, Drooping; Lilac: Common, Chinese, Wild; Lily-of-the-Valley: Forest flame, Mountain fire, Snowdrift, Templebells, Valley rose, Valley valentine; Mahonia: Creeping, Leather leaf; Maple: Amur, Coral bark Japanese, Dwarf Japanese; Mock orange; Myrtle: Crape, Wax; Oleander: Hardy red, Ruby lace; Osmanthus, Fortunes; Palm: Areca, Chinese fountain, Christmas, Pigmy date, Sago; Photinia, Fraser's; *Pieris Japonica*; Pine, Mugo-mugho; Pittosporum: Green, Japanese, Wheeler's dwarf; Plumbago; Privet; Red Cedar, Eastern; Rhipidolepis: Charisma-Monruce, Enchantress-Moness, Roundleaf, Springtime-Monme; Rhododendron; Robira; Rose; Rose, Ramanas; Rose of Sharon: Heart, Red bird, Woodbridge; Sakaki; Silverberry; Skimmia: Japanese, Reeve's; Smoke Tree: Royal purple, Coral beauty, Eichholz; Spiraea: Anthony Waterer, Bridal wreath, Dolchia, False, Japanese alpine, Shirobana, Vanhoutte; Sumac, African; Summersweet; Sweetspire, Henry Garnet holly leaf; Viburnum; Weigela; Willow; Woadwaxen; Woodbine: Flowering, Serotina; Xylosma; Yew: Anglojap, Plum, Upright Japanese; Yewpine; Yucca.

**Trees** -- Ash: Shamel, White; Banana; Birch: European white, Paper, River; Blackgum; Bottle tree; Carob; Carrot wood; Cherry, Yoshino flowering; Coolibah tree; Cottonwood; Crabapple; Cypress: Arizona, Bald, Filicoides-fernspray, Gracilis-slender Hinoki, Squarrosa-moss, Swara false; Dogwood: Cloud nine, Flowering, Kousa; Elm, Chinese; Eucalyptus: Mealy, Redgum, Red ironbark, Silver dollar; Ficus, Mini; Fir: Balsam, Douglas, White; Florida anise tree; Ginkgo- maidenhair tree; Hawthorn, Green; Hemlock: Canada, Eastern; Larch, Japanese; Linden; Locust: Black, Honey, Shademaster honey; Magnolia; Mahogany; Maple: Albus-flowering, Flame, Luteus-flowering, Norway, Red, Red Sunset, Roseus-flowering, Silver, Sugar, Tangerine-flowering, Vesuvius red-flowering; Mesquite, Chilean; Mulberry, White; Oak: Bear, Live, Pin, Red, Scarlet, Willow; Olive: Black, Russian; Palm: Mexican fan, Parlor, Queen; Pine: Austrian, Beach, Bosnian, Bristlecone, Canary Island, Columnar Scotch, Eastern white, Eldarica, Japanese black, Loblolly, Monterey, Pumilio-shrubby swiss mountain, Red, Scotch, Shore; Planetree, London; Podocarpus; Redbud, Eastern; Red Cedar, Eastern; Sequoia, Giant; Sourwood; Spruce: Colorado, Dwarf Alberta, Dwarf globe blue, Glauca-Colorado blue, Hoopsii-Hoop's blue, Koster-Koster blue, Norway, Pendula-weeping Norway, Repens-spreading Norway, White; Sweetgum, American; Sycamore: American, California; Tab, Yellow; Toyon; Tuliptree; Willow.

**Nonbearing Fruit and Nut Trees and Plants**-- Almond; Apple; Apricot; Avocado; Blackberry; Blueberry; Cherry: Sweet, Sour; Chestnut, Chinese; Currant; Dewberry; Elderberry; Fig; Filbert; Gooseberry; Grape: American, European; Grapefruit; Kiwi; Lemon; Loganberry; Macadamia nut; Nectarine; Olive; Orange; Peach; Pear; Pecan; Pistachio; Plum; Pomegranate; Prune; Raspberry; Tangelo; Tangerine; Walnut: Black, English.

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### WHEN TO APPLY PREEN

Apply Preen anytime during the growing season around established plants and transplants. **Preen should not be used on flower seeds.** It can be used after flowering plants have germinated and are 2-3 inches tall. Preen may also be incorporated into the soil when seeding vegetables or applied after mulching beds. Since it does not kill existing weeds, you must first remove any that have already begun to grow. By applying Preen as early as possible, you can eliminate the need for hand weeding.

Rain does not wash this product out of the soil. **To keep ornamental beds weed-free all season long, reapply Preen every 9-12 weeks.**

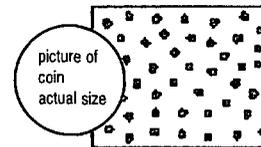
### HOW TO APPLY PREEN

**To avoid plant injury, do not apply Preen when foliage is wet.** When plants are dry, sprinkle Preen on soil surface at rate given below for your specific planting situation. Once activated by watering or soil incorporation, Preen forms a weed control barrier in the top layer of soil, preventing weed seeds from germinating. Disturbance to the soil surface after activation may result in erratic weed control.

### APPLYING AROUND ESTABLISHED PLANTS AND TRANSPLANTS

For flowers, roses, herbs, ground covers, ornamental grasses, shrubs, trees and listed vegetables at least 2-3 inches tall (see special section for use on vegetables): sprinkle Preen evenly over the entire soil surface, at the rate of 1 oz. per 10 sq. ft. (see picture below), being sure to keep granules away from plant roots and foliage. Immediately water Preen into soil surface. If watering-in is not convenient, lightly rake into soil surface. Always wash or brush off stray granules from plant foliage to avoid damage or discoloration.

**Surface Application Rate**  
Sprinkle Preen as shown on soil surface.



### APPLYING PREEN WITH MULCH

For best weed control, we recommend applying Preen after spreading mulch on your flower and shrub beds. Sprinkle Preen on top of mulch at surface rate (see picture above), being sure to keep granules away from plant foliage. Immediately water Preen into mulch. If watering-in is not convenient, lightly rake into top layer of mulch. Always wash or brush off stray granules from plant foliage to avoid damage or discoloration.

### FOR USE ON VEGETABLES

First remove all existing weeds, then lightly rake to prepare a smooth soil surface. Uniformly mix Preen into the top 1-2 inches of soil immediately after application, using care not to damage any emerged crops. Rate of application depends on type of soil. Apply at 1 lb. per 640 sq. ft. for heavy clay-type soils, at 1 lb. per 960 sq. ft. for medium loam soils, and at 1 lb. per 1,280 sq. ft. for light sandy soils.

**BEFORE Seeding:** Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collard, Black-Eyed Peas, Field Peas, Green Peas, Kale, Lentils, Lima Beans, Mustard Greens, Okra, Radish, Southern Peas (Cow Peas), Snap Beans, Turnip Greens.

**AFTER Seeding or Transplanting:** Cantaloupes, Cucumbers, Watermelons. Apply after plants have developed 5 or more leaves.

**AFTER Planting:** Potatoes - May be applied after planting, before or after emergence. Use care not to damage seed pieces in cultivating nor allow treated soil to contact emerged plant foliage.

**BEFORE Transplanting:** Celery, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Eggplant, Peppers, Onions, Tomatoes.

**Perennial Vegetables:**

Asparagus - Apply prior to spear emergence of established plants.

**This container is constructed from 85% recycled box board. (For paper box board only)**

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### 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.

**CONTAINER DISPOSAL:**

**IF EMPTY: Nonrefillable container.** Do not reuse or refill this container. 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.

### 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 St., Lebanon, PA 17042.

The manufacturer makes no warranties, expressed or implied, concerning this product or its use, which extend beyond the description on the face hereof. All statements made concerning this product apply only when used as directed.

**Advertising claims that may be presented on the label:**

The Flower and Garden Weed Preventer

A Work • Saver Product For The Joy Of Weed-Free Gardens

Prevents Weeds in Ornamental beds and around Bulbs, Flowers, Roses,  
Herbs, Ground Covers, Ornamental Grasses, Shrubs, Trees & Vegetables  
Ready To Use Granules with Built In Applicator (*For plastic containers only*)

Refillable Preen Canister (*For plastic containers only*)

This WORK-SAVER product prevents weeds in one easy application.

Effective Weed Control - Prevents weeds all season long - eliminates the need for hand weeding.

Easy To Apply - Just shake on.

Apply any time throughout the growing season.

Great over mulch.

Stop weeds before they start!™

Prevents weeds up to three months

Sprinkle around flowers, vegetables, trees, shrubs

Sprinkle around flowers, vegetables, trees and shrubs

Apply anytime - spring, summer or fall

XX% more than previous container (*Percentage will vary by container size*)

Stops weeds *before* they start around flowers, vegetables, trees, shrubs

EASY TO USE APPLICATOR [optional applicator pictogram]

Good Housekeeping Seal of Approval (*Logo*)

Preen works so you don't have to

Proof of Purchase [optional barcode pictogram]

Preen® is a registered trademark of Lebanon Seaboard Corporation

To open cut along dotted line [optional scissors pictogram]

Applicator Scoop Included [optional scoop pictogram]

See inside booklet for complete directions for use, plant listings & precautionary statements

Press to reseal

Lift here to open

Simply press to close [optional zipper and hand pictogram]

Use around flowers, vegetables, trees, shrubs

Use around flowers, vegetables, trees, and shrubs

Visit [www.preen.com](http://www.preen.com) [optional mousepad pictogram]

1-800-233-1067 [optional telephone pictogram]

Try other Preen products!

Preen Lawn StepSaver Weed Control

Preen Vegetable Garden Weed Preventer

Preen Weed & Grass Killer

Preen Lawn Weed Killer

[Placeholder for other Preen Products]

Preen Lawn Fall Weed Control Plus Fertilizer

Preen Lawn Broadleaf Weed Control

Preen Lawn Crabgrass Preventer

Preen Mulch Plus