

US EPA ARCHIVE DOCUMENT

#	Date	Product Name	Use Classification	Toxicity Category
739-EULA	3/23/77	Ortho Garden Weed Preventer	003295	III

RECOMMENDATION: register other (explain)

Do not register. Provide the following studies:

- (1) chronic feeding - 2 species
- (2) oncogenicity - 2 species
- (3) reproduction (non-rummary)
- (4) mutagenicity
- (5) teratology
- (6) metabolism - rat or dog preferred

	TECH	FORMULATION	USE DILUTION	DATA ACCEPTABLE
Route Oral (Rat) LD50		> 5.0g/Kg		yes

Toxic signs: none observed

necropsy: no pathological changes could be attributed to the test material

Comments: 5 males and 5 females were given a single oral dose of 5.0g/Kg (no deaths or signs of toxicity occurred)

cat II

Route Dermal (Rabbit) LD50		75.0g/Kg		yes
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Toxic signs: well-defined erythema and edema

Comments: 3 rabbits with abraded skin and 3 rabbits with intact skin were given 5.0g/Kg, applied dermally (no deaths nor systemic signs of toxicity occurred)

* It is not of practical value to administer pesticide doses beyond 5000 mg/Kg in the acute oral or dermal LD50 test if toxic manifestations are absent at this level CFR 162.81 (b)(3)(i).

cat III

Route Inhalation () LC50				
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Toxic signs:

Comments:

Primary Eye Irritation (Rabbit) Draize score:				yes
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Comments: slight to moderate conjunctivitis at 24 & 48 hrs, absent at 72 hrs.

cat III

Primary Skin Irritation (Rabbit) Draize score:		0.0 / 8.0		yes
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Comments:

cat IV

Other Studies:

Label: under precautionary statements add: "Get medical attention if irritation persists."
 Change the statement "Avoid contact with eyes and skin" to read "Avoid contact with skin, eyes, or clothing."

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ORTHO
Garden Weed Preventer

* Contains DACTHAL®

A Selective Preemergence Weed Killer for Control of annual grasses and listed broadleaf weeds in home vegetable and flower gardens, lawns and ornamentals.

Active Ingredient	By Wt.
*Dimethyl tetrachloroterephthalate	5.0%
Inert Ingredients	95.0%

*DACTHAL® is the registered trademark of Diamond Shamrock Corp.
Use as preemergence herbicide patented under U.S. Pat. No. 2,923,634.

Keep out of reach of children
CAUTION
See back panel for additional precautionary statements.

NET WT. 1 LB.

ORTHO Garden Weed Preventer

Back Panel

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS & DOMESTIC ANIMALS

CAUTION:

Harmful if swallowed. Avoid contact with eyes and skin. In case of eye contact, flush with plenty of fresh water. Wash after handling or using.

Note to Physicians: Emergency Information - call (415) 233-3737.

ENVIRONMENTAL HAZARD

Keep out of any body of water. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

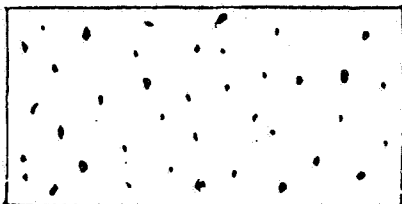
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ORTHO Garden Weed Preventer is a 5% granular DACTHAL formulation for use as a preemergence application to control crabgrass (both smooth and large) and other annual grasses (green and yellow foxtail, annual bluegrass, barnyard-grass, goosegrass, johnsongrass (from seed), lovegrass, witchgrass) and broadleaved weeds (carpetweed, common chickweed, lambsquarters, purslane, Florida pusley, nodding spurge, pigweed). It is recommended for use on home vegetable and flower gardens, lawns and around trees and shrubs as listed on label.

DIRECTIONS

For best results, ORTHO Garden Weed Preventer should be applied to a well-prepared soil which is free of weeds and prior to weed seed germination. For garden soils, apply to a uniform weed-free soil surface within 2 to 3 days following cultivation to prevent subsurface germinating weeds from becoming established. Disturbing the soil surface after application will reduce effectiveness. Measure the area to be treated and divide into small plots. Using the handy shaker canister, sprinkle the granules evenly over the surface and water in thoroughly. Weed control up to four months may be expected following proper application. Do not graze on treated areas or feed plant refuse to livestock.

VEGETABLE GARDENS - Apply one pound ORTHO Garden Weed Preventer per 250 sq. ft. (10' x 25') uniformly to the soil. Cultivate the crops before application if weeds have emerged. Water in thoroughly, rinsing all granules off plant foliage. As a guide for the proper application rate and uniformity of the distribution of the granules, consult the following diagram.



Broccoli, Brussels Sprouts, Cauliflower, Cabbage, Onions, Garlic - Apply at seeding or transplanting. The granules can be applied directly over plants without injury.

Beans (Dry or Snap) and Southern Peas (Blackeyed), Collards, Kale, Mustard Greens, Turnips (Greens and Roots). Apply at seeding.

Cucumbers, Squash (Winter and Summer), Melons (Cantaloupes, Honeydew and Watermelon) Direct Seeded - Apply only to plants which are well established with 4 to 5 true leaves and growing conditions are favorable.

Potatoes (Whole or Cut Piece) - Apply at planting or time of hilling (layby) - up to 9 weeks after planting. Note: DACTHAL is not recommended for use on potatoes in California. The initial irrigation used to water DACTHAL into soil should not exceed 1 inch of water.

Sweet Potatoes and Yams - Apply at planting or time of hilling (layby). Can be spread directly over transplants without injury up to 6 weeks after transplanting.

Tomatoes, Eggplant, Peppers - Apply only to well established plants (4 to 6 weeks after transplanting) when growing conditions are favorable. May be applied directly over plants without injuring them.

Strawberries - Established Plantings - Apply in the early fall and early spring. Do not apply from first bloom through harvest. Can be applied directly over plants without injury.

REPLANTING: Replanting crops other than those included on the label in DACTHAL treated soil within 8 months of application may result in crop injury. If replanting is required because of an early crop failure, the planting of onions, seeded melons, potatoes, tomatoes, eggplants or peppers at this time may result in crop injury. However, all crops on the label may be planted following harvest of a DACTHAL treated crop.

FLOWER GARDENS - Apply to the soil around the plants after they are established or after transplanting. Apply ORTHO Garden Weed Preventer at the rate of 1 lb. per 250 sq. ft. (10' x 25'). Water in thoroughly, rinsing all granules off plant foliage. Additional applications, when needed, can be made at any time provided beds have been cultivated and are free of weeds.

LAWNS - ESTABLISHED - Apply uniformly to established lawn grasses at the rate of one pound per 200 sq. ft. in late winter or early spring before crabgrass and other annual grasses and broadleaf weed seeds germinate. One application before weed seed germination usually provides seasonal control. Where spring seeding is necessary, there should be a delay of about 60 days after the application of ORTHO Garden Weed Preventer.

LAWNS - NEWLY SEEDED - Early spring application may be made to new lawn grass seedlings after grasses have exhibited uniform greening of the newly sprouted grass - preferably when one to two inches in height.

To control annual bluegrass! (Poa annua) and other erratic or late germinating grasses and weeds, a late summer or early fall application (August - September) of one pound per 150 sq. ft. (10' x 15') should supplement the early spring application. Earlier treatments are required in southern states. Use no more than the recommended rate. Do not apply to Dichondra lawns. Consult local County Agricultural Extension Service for date to apply.

ORNAMENTALS, SHRUBS AND TREES (as listed below) - Apply one pound ORTHO Garden Weed Pre-empter per 250 sq. ft. (10' x 25') uniformly to soil around the base of plants in late fall or early spring. May be made immediately following lining out or transplanting into well prepared soil. For established plantings apply proper cultivation to remove existing weeds. One application should provide weed control up to three months or more.

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Abelia	Feverfew	Mourning Bride
Ageratum	Fir	Nasturtium
Alyssum	Forget-me-not	Oak
Andromeda,	Forsythia	Orpine
Jap.	Four-O'Clock	Pachistima
Arborvitae	Foxglove	Pachysandra
Ash	Caillardia	Peony
Aster	Geranium	Petunia
Azalea	Gladiolus	Pine
Babysbreath	Golddust	Pittosporum
Barberry	Goldentuft	Podocarpus
Bellflower	Gum	Poker plant
Birch	Hawthorn	Poplar
Bleedingheart	Health, pink	Privet
Bloodleaf	Holly	Privet, variegated
Boxwood	Hydrangea	Redbud
Bugloss	Honeysuckle	Rhododendron
Camellia	Iris	Rose
Candytufts	Ivy, Baltic	Russian olive
Chestnut	Ivy, Boston	Sage, scarlet
Chrysanthemum	Ivy, English	Snapdragon
Cinquefoil	Ivy, Wilson	Spiderwort, Va.
Coleus	Juniper	Spiraea
Columbine	Lantana	Spruce
Coneflower,	Larkspur, candle	Stonecrop
purple	Lavendercotton	Strawflower
Coreopsis	Lilac	Sundrops
Coralbells	Lily	Sunflower
Cosmos	Locust	Sweet Pea
Cotoneaster	Lupine	Sycamore
Cottonwood	Magnolia	Tree peony
Crabapple	Maple	Tulip tree
Cuphea	Marguerite,	Viburnum
Cypress	golden	Violet
Dahlia	Marigold	Walnut
Delphinium	Mockorange	Weigela
Deutzia	Morningglory	Willow
Dogwood	Moss rose	Wormwood
Elaeagnus	Mother-of-	Yarrow, fernleaf
Elm	Thyme	Yew
Euonymus	Mountain	
Evening primrose	Laurel	

DO NOT USE on the following plants:

Bugleweed	Germander	Phlox
Button pink	Mesembry-	Sweet William
Carnation	anthemum	Telanthera
Geum	Pansy	

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STORAGE AND DISPOSAL

Do not store near feed and foodstuffs, seed, fertilizers or other pesticides to prevent contamination.
Keep pesticide in original container.
Store in dry place.
Do not reuse empty container.
Wrap container and put in trash collection.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Chevron Chemical Company

Ortho Division/San Francisco CA 94119 Richmond CA 94804

Product 5346 Made in U.S.A.

Form 9183-A

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