

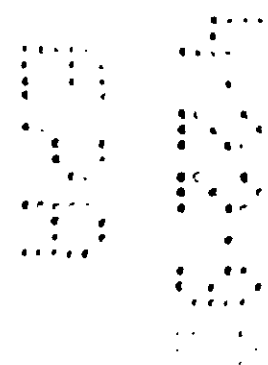
ORTHO GRASS & WEED PREVENTER
EPA REG. NO. 239-2532

COPY A



Groundwater Advisory: Tetrachloroterephthalic acid, a breakdown product of Dacthal, is known to leach through soil as a result of agricultural and turf uses and has been found in groundwater which may be used for drinking water. Users are advised not to apply Dacthal to sand and loamy sand soils where the water table (groundwater) is close to the surface and where these soils are very permeable, i.e. well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater used for drinking water.

ACCEPTED
11 AUG 1962
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
this pesticide is registered under
EPA Reg. No. 239-2532



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION: Harmful if inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. **STATEMENT OF PRACTICAL TREATMENT:** If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Note to Physicians: Emergency Information — call 1-800-457-2022.

ENVIRONMENTAL HAZARDS: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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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.

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

ORTHO Grass & Weed Preventer is a preemergence weed killer designed to control weed seeds before they emerge. It controls crabgrass (both smooth and large) and other annual grasses (green and yellow foxtails, annual bluegrass, *Poa annua*), barnyardgrass, goosegrass, Johnsongrass (from seed), lovegrass, witchgrass and broadleaved weeds (carpetweed, common chickweed, lambsquarters, purslane, Florida pusley, spurge, pigweed).

DIRECTIONS

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING.

Wear long sleeved shirt and long legged pants and chemical resistant gloves.

IMPORTANT: If the pesticide comes in contact with skin wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER USE: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Do not reuse contaminated clothing. Clothing worn during use must be laundered separately from household articles.

NEW PLANTINGS — ORTHO Grass & Weed Preventer should be applied to a well prepared soil which is free of weeds and PRIOR to weed seed germination. Apply within two to three days following cultivation to prevent subsurface germinating weeds from becoming established. If soil is dry, water thoroughly after application. Weeds already germinated or present at the time of application will not be controlled. Disturbing the soil surface after application will reduce effectiveness. Certain weeds which escape or are not controlled may be easily hand pulled or soil treated with another product especially designed for that use.

ESTABLISHED PLANTS — Kill existing weeds around ornamentals, shrubs and trees by hoeing or shallow cultivation or with KLEEN-UP products. Be sure not to contact desirable plants with the KLEEN-UP products. Use ORTHO Grass & Weed Preventer 2-3 days after applying above product even though the weeds are not yet dead. One application should provide 2 months control. Reapply every 2 months to maintain weed free soil. If soil is dry, water thoroughly after application.

HOW TO USE: Measure the area to be treated into smaller plots. For best results, the ORTHO Lawn Sprayer (15 gallon capacity) should be used. To treat 1,000 sq. ft. (20' X 50') add the recommended amount directly to the sprayer jar and fill with water to the 15 gallon mark. Gently stir solution and attach jar onto sprayer head. Spray contents evenly. **Note:** For even smaller areas, apply 3 fl. oz. in 3 gallons to uniformly cover a 200 sq. ft. (20' X 10') area.



ORTHO

Treats 1400
to 2,000 Sq. Ft.

Grass & Weed Preventer

- CONTAINS DACTHAL® — A Selective Preemergence Weed Killer
- Kills Germinating Weed Seed Before They Emerge
- Controls Annual Broadleaf Weeds and Grasses as Listed
- For Use in Home Vegetable and Flower Gardens, Lawns, Ground Covers, and Around Ornamentals and Trees

APPLY ANYTIME!!

WINTER, SPRING, SUMMER, FALL

Active Ingredient	By Wt.
*DCPA (dimethyl tetrachloroterephthalate)	20.7%
Inert Ingredients	79.3%
*Dacthal® — Reg. TM of Diamond Shamrock Corporation for Dimethyl Tetrachloroterephthalate Herbicide.	

Keep out of reach of children

CAUTION

See side panel for additional precautionary statements.

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VEGETABLE GARDENS — Apply 16 fl. oz. in 15 gallons of water to uniformly cover 1,000 square feet (20' X 50'). An ORTHO Lawn Sprayer or sprinkling can may be used to apply herbicide following directions listed below depending on specific vegetable crop. **NOTE:** For STRAWBERRIES, apply 13 fl. oz. in 15 gals. of water to cover 1000 sq. ft. (20' X 50'). The spray may be applied over the top of plants without injury if the spray is watered in thoroughly following application.

BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CABBAGE, ONIONS, GARLIC — Apply at seeding or transplanting.

BEANS (dry or snap), SOUTHERN PEAS (Black-eyed), COLLARDS, KALE, MUSTARD GREENS, TURNIPS (Greens and Roots) — Apply to direct seeded plantings at the time of seeding.

CUCUMBERS, SQUASH (Winter and Summer), MELONS (Cantaloupe, Honeydew, Watermelons) DIRECT SEEDED — Apply only to plants which are well established with 4-5 true leaves and growing conditions are favorable.

POTATOES — Apply at planting time or up to nine weeks after planting. (Not recommended for use in California.)

SWEET POTATOES AND YAMS — Apply at planting time or up to six weeks after transplanting.

TOMATOES, EGGPLANT, PEPPERS — Apply only to well-established plants (4-6 weeks after transplanting) when growing conditions are favorable.

STRAWBERRIES: ESTABLISHED PLANTINGS — Apply in the early fall and early spring. Do not apply from first bloom through harvest.

REPLANTING — Replanting crops other than those included on the label in DACTHAL treated soil within eight 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 over the top of plants after they are established or after transplanting following the instructions for vegetable gardens above. When needed, additional applications can be made at any time, provided beds have been cultivated and are free of weeds.

ESTABLISHED LAWNS: For best results, mow lawn and divide into small plots of 1,000 sq. ft. each (20' X 50'). In the late winter or early spring before crabgrass and other annual grasses and broadleaf weed seed germinate, apply 16 fl. oz. of ORTHO Crab Grass & Weed Preventer in 15 gallons of water using an ORTHO Lawn Sprayer (coarse spray pattern) evenly over 1,000 sq. ft. of lawn. Following application, thoroughly rinse herbicide spray off foliage into the soil where it will form a barrier to prevent weed seed germination. Broadleaf weeds present in lawn or already germinated at time of application will not be affected. These should be hand pulled or sprayed with a broadleaf weed killer such as WEED-B-GON Lawn Weed Killer. If crabgrass is present, use ORTHO Crab Grass Killer Formula II to kill existing weeds or spot treat undesirable grasses and weeds with ORTHO KLEENUP products. Wait 1-2 days and apply the DACTHAL treatment described above.

NOTE: Do not apply to Dichondra lawns.

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

TIMING FOR CRABGRASS AND SPOTTED SPURGE CONTROL IN LAWNS: Crabgrass seed germinations usually coincide with the time for Lythia blossoms start to fall. One application in late winter or early spring before weed seed germination will provide seasonal control. **IMPORTANT:** Reapply at two month intervals to extend preemergence weed control to prevent germination.

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mination of additional late-spring/early-summer weeds such as spotted spurge, late germinating crabgrass, goosegrass, and other listed weeds. Where spring seeding is necessary, there should be a delay of approximately sixty days after the application of DACTHAL before planting new grass seed.

TO CONTROL ANNUAL BLUEGRASS (*Poa annua*) and late summer-early fall germinating grasses and weeds, reapply in August or September at the rate of 13 fl. oz. in 15 gallons of water uniformly over 600 sq. ft. Water in thoroughly after application. This will supplement previous applications. Note: Earlier treatments (August) are required in Southern states. Use no more than recommended rate. Consult local County Agricultural Extension Service for date to apply in your area.

GROUND COVERS, ORNAMENTALS, SHRUBS AND TREES (as listed below) — Apply 16 fl. oz. in 15 gallons of water to cover 1,000 sq. ft. (20' X 50'). An ORTHO Lawn Sprayer or sprinkling can may be used to apply herbicide uniformly to soil around the base of plants in late fall or early spring. May be applied immediately following lining out or transplanting into well prepared soil. Reapply every 2 months to maintain weed free soil.

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

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area. Do not store diluted spray.

DISPOSAL: PRODUCT — Partially filled bottle may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. **CONTAINER —** Do not reuse empty bottle. Rinse thoroughly before discarding in trash.

DO NOT USE on the following plants:

Bugleweed	Geum	Pansy	Sweet William
Button pink	Germander	Phlox	Telanthera
Carnation	Mesembryanthemum		

This product is designed for use only by home gardeners. It has not been tested on rare unusual varieties; therefore, when these plants are present, it is advisable to test on a few plants before spraying large numbers.

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Ortho Consumer Product Division
P.O. Box 5047 San Ramon CA 94583-0947
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