



Front Panel

NET CONTENTS

POUNDS/ KILOGRAMS

LOGO

DACTHAL® W-75 TURF

Turf Car / TM

(75% Wettable Powder)

OCT 1 8 1982

677-262

ACTIVE INGREDIENT:	Dimethyl tetrachloroterephthalate	75.0%
INERT INGREDIENTS:		25.0%
TOTAL:		100.0%

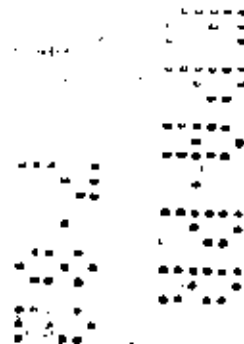
(12 pt. type) KEEP OUT OF REACH OF CHILDREN (12 pt. type)

(18 pt. type) CAUTION (18 pt. type)

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

DIAMOND SHAMROCK CORPORATION
AGRICULTURAL CHEMICALS DIVISION
CLEVELAND, OHIO 44114

EPA Reg. No. 677-262



LEFT PANEL

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wear chemical goggles, gloves, and protective clothing when handling. Wash thoroughly after use.

If swallowed do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. Seek medical attention.

In case of contact, flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

Wash exposed skin gently with plenty of soap and water.

If inhaled, remove person to fresh air.

ENVIRONMENTAL HAZARDS

DO NOT apply directly to water.

DO NOT contaminate water by cleaning of equipment or disposal of wastes.

DACTHAL W-75 TURF

A selective preemergence herbicide for nurseries and professional ornamental turf management

READ ENTIRE LABEL CAREFULLY AND USE ONLY AS DIRECTED

GENERAL INFORMATION

DACTHAL W-75 TURF is a 75 percent wettable powder formulation for use in preemergence application for control of crabgrass and other annual grasses and certain broadleaved weeds on mineral soils in ornamental turf and nursery stock.

The following weeds are grouped according to their susceptibility to DACTHAL W-75 TURF.

Susceptible (controlled at recommended rates): Common lambsquarters, smooth crabgrass, large crabgrass, lovegrass, carpetweed, witchgrass, purslane, Florida pusley, yellow foxtail, green foxtail, common chickweed

Moderately Susceptible (Maximum rates required for effective control): Redroot pigweed, sandbur, dodder, barnyardgrass,

goosegrass, browntop panicum, groundcherry, annual bluegrass, johnsongrass (from seed), nodding spurge, spotted spurge and prostrate spurge.

Tolerant: Velvetleaf, common ragweed, johnsongrass established from rhizomes, mustards, jimsonweed, galinsoga, smartweed, nutsedge.

✓ DACTHAL N-75 TURF may be used as a postemergence for the control of creeping speedwell.

DIRECTIONS FOR USE

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

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PREPARATION AND APPLICATION OF THE SPRAY: DACTHAL W-75 TURF should be thoroughly mixed in the spray tank with water to provide for broadcast application of at least 20 gallons of water per acre, depending on equipment and local practices. In order to insure uniform suspension in the spray tank, DACTHAL W-75 TURF should be premixed in a clean container at the rate of about 12 pounds to 3 gallons of water. This mixture should be stirred until a slurry is formed and then added to the spray tank during or after filling. Adequate agitation should be maintained during filling and spraying to keep material in uniform suspension. Use nozzles suitable for applying wettable powder so that the spray can be uniformly distributed over turf or properly prepared soil surface. Any screen or strainer in spray equipment should be no finer than 50 mesh to prevent clogging. It is essential that the sprayer be properly calibrated before making applications. Standard low pressure (30-50 psi) boom type sprayers are recommended.

A minimum of one-fourth inch of water, either as rain or irrigation, is necessary to activate DACTHAL W-75 TURF and thereby obtain preemergence control of weeds specified. Normally, water must be applied within 3 to 5 days of application if sufficient rainfall does not occur. However, when surface soil is dry but subsurface soil contains enough moisture to germinate weeds, water must be applied immediately.

ORNAMENTAL TURF: Application at the rate of 14 lbs. of DACTHAL W-75 TURF in 40 to 100 gallons of water per acre (1 lb./3 to 7 gals./3000 sq. ft.) gives excellent control of crabgrass and other weeds as listed on this label. One application applied in early spring before weed seed germination usually provides seasonal control. Crabgrass seed germination usually coincides with the time when Forsythia blossoms start to fall. In areas which commonly experience stands of late-germinating crabgrass and other annual weedy grasses, a second application at half the regular rate can be safely made two months after the first application. In order to control annual bluegrass (*Poa annua*) and other erratic or late-germinating grasses and weeds in northern states, a late summer or early fall application before weed seed germination of 20 pounds of DACTHAL W-75 TURF in 40 to 100 gallons of water per acre (1/2 lb./1 to 2 gals./1000 sq. ft.) should supplement the early spring application. Earlier applications are required in Southern States. Consult agricultural experiment station or extension service weed specialist for date *Poa annua* seed germinates in your area and make application at least two weeks prior to this date.

Early spring application of DACTHAL W-75 TURF may be made to new turfgrass seedlings after the grasses have exhibited a uniform greening of the newly sprouted grass, preferably when 1 to 2 inches in height. Such DACTHAL W-75 TURF application, gives control of crabgrass without injury to newly emerged grass. Fall sowing of permanent grasses can follow early spring applications of DACTHAL W-75 TURF.

Where some spring seeding is necessary, there should be a delay of approximately 60 days after the application of most preemergence herbicides, including DACTHAL W-75 TURF. This delay increases the survival of desirable grasses.

- DACTHAL W-75 TURF is not recommended for use on putting greens.
- DACTHAL W-75 TURF is not recommended for use on bentgrass mowed at putting green height.
- DO NOT feed treated foliage to livestock or graze treated areas.

For control of creeping speedwell (*Veronica filiformis*), apply 16 pounds of DACTHAL W-75 TURF in 40 to 100 gallons of water per acre as a postemergence spray when creeping speedwell is growing vigorously. Spring or early fall applications are usually suitable, provided temperatures are between 65° and 90°F. and there is ample soil moisture. Thorough coverage is essential. Delayed control of creeping speedwell is to be expected. Foliage turns darker green following application and remains so for about 30 days when leaves curl and the plants die.

FOR USE ON ORNAMENTAL TURF:

	TO CONTROL	WHEN TO APPLY	RATE OF DACTHAL W-75 TURF	REMARKS
Established turf	Crabgrass	Early spring, before crabgrass and other spring annual weed seeds germinate.	14 lbs/acre or 1 lb. in 3 to 7 gals/ 3000 sq. ft.	Apply when ☒ Forsythia blossoms. A second application at half the recommended rate may be made 2 months after the first application if necessary.
	Annual bluegrass (<u>Poa annua</u>)	Late summer or early fall in Northern states before weed seed germination. Consult agricultural experiment station or extension service weed specialist for date <u>Poa annua</u> germinates in your area and make appli- cation at least two weeks prior to this date.	20 lbs/acre or 1/2 lb in 1 to 2 gals/1000 sq. ft.	Should be used fol- lowing an early spring application for crabgrass control.
	Creeping speed- well (<u>Veronica</u> <u>filiformis</u>)	As a postemergence spray in spring or early fall when creeping speedwell is growing vigorously, there is ample soil moisture and temperature is between 65° and 90° F.	16 lbs/acre or 1/3 lb in 1 to 2 gals/1000 sq. ft.	Apply spray to obtain thorough coverage of foliage. Delayed control of creeping speedwell, approx- imately 30 days, is to be expected. Foliage turns darker green following application and remains so for about 30 days when leaves curl and the plants die.

FOR USE ON ORNAMENTAL TURF:

TO CONTROL	WHEN TO APPLY		RATE OF DACTHAL W-75 TURF	REMARKS
Established turf (continued)	Spotted Spurge or Prostrate Spurge (<u>Euphorbia</u> <u>maculata</u> <u>E. supina</u>)	Mid-April or before seed germination of annual weeds. Repeat application in 6 to 8 weeks.	14 to 16 lbs/acre or ✓ 5 to 6 ozs in 1 to 2 gals/1000 sq. ft.	Apply first appli- cation before germination of annua weed seeds, such as crabgrass. Repeat application ✓ at the same rate 6 to 8 weeks later. In addition to control of spotted spurge or prostrate spurge, crabgrass control is also obtained.
Newly-seeded turf	Crabgrass ✓	After new turfgrass seedlings have exhibited a greening ✓ of the newly sprouted grass (about 1 to 2 inches high).	14 lbs/acre or 1 lb. ✓ in 3 to 7 gals/ 3000 sq. ft.	✓ Allows crabgrass control without injury to the new turf.

CAUTION: After DACTHAL W-75 TURF treatment, wait approximately 60 days before any new seeding is undertaken.

DO NOT use on Dichondra.

See recommendations on bentgrass before using on this species.

NURSERY STOCK: DACTHAL W-75 TURF can be applied to a wide range of nursery stock at the rate of 14 to 16 pounds in 50 to 100 gallons of water per acre of area treated (1 pound in 3-7 gallons of water/3000 square feet).

Applications should be made to soil recently cultivated to a uniform texture. These can be made immediately following lining-out of stock. With established plantings, application should be made following proper cultivation to remove existing weeds. Where possible, this should be done early in the spring. Late summer application may prove beneficial for control of fall germinating weeds, if made following cultivation. Weed control up to three months or more may be expected following proper application.

DACTHAL W-75 TURF is specifically recommended for weed control with the following:

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

DO NOT use on the following plants:

Bugleweed
Button pink
Carnation

Geum
Germander
Mesembryanthemum

Pansy
Phlox
Sweet William
Telanthera

Amount of DACTHAL W-75 TURE to Use in Treating Small Areas

Area to be Treated*	Recommended rate of DACTHAL W-75 TURE lb/A	Amount of DACTHAL W-75 TURE to apply	Struck-off (level) Tablespoons
1000 sq. ft. (From 1 to 2 gallons of water should be used to spray 1000 sq. ft.)	14 (heavy soil)	5 oz.	22
	12 (heavy soil)	4½ oz.	19
	10 (medium soil)	3½ oz.	✓ 16
	✓ 8 (medium soil)	✓ 3 oz.	13
	6 (sandy soil)	2 oz.	10
250 sq. ft. (From ¼ to ½ gallon of water should be used to spray 250 sq. ft.)	14 (heavy soil)	1½ oz.	5½
	12 (heavy soil)	1 oz.	4½
	✓ 10 (medium soil)	✓ ¾-1 oz.	✓ 4
	8 (medium soil)	¾ oz.	3
	6 (sandy soil)	½ oz.	2½

NOTE: In treating small areas it is important to use care in measuring out required quantity for area to be treated, properly mixing it in water and keeping it adequately agitated during application.

*Other size areas to be treated can be calculated from the above table.
For example:

✓ To treat 5000 sq. ft. at the 10 lbs/acre rate, use 5 cups or 80 tbsp. (5 x 16) in 5 to 10 gallons of water (5 x 1 to 2).

To treat 600 sq. ft. at the 12 lbs/acre rate, use 11.4 tbsp. (0.6 x 19) in 0.6 to 1.2 gallons of water (0.6 x 1 to 2).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Store in a dry place.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Dispose of bags according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO EXCEPT IN WRITING WITH A SPECIFIC REFERENCE TO THIS WARRANTY. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

EPA Est. No. 677-TX-1

