

## **NURSERY STOCK, HEAVY SOIL TO TREAT 250 SQ FT (14 LBS PER ACRE) (SUSCEPTIBLE WEEDS)**

### General Information

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DACTHAL W-75 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 vegetables, strawberries, agronomic crops and ornamentals.

### Application Height

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

**Soil Preparation:** Prior to making application, the soil should be cultivated to provide a weed-free and uniform surface since DACTHAL W-75 herbicide is effective only when applied before weed seed germination occurs. Unless incorporated, DACTHAL W-75 should be applied within two to three days following cultivation, to prevent subsurface germinating weeds from becoming established. When cultivating between rows, use shields on cultivator to prevent untreated soil from covering treated bands. Cultural practices, such as forming crop beds, should be completed prior to DACTHAL W-75 application in order to avoid exposing untreated soil in the bottom of the furrow and concentrating the sprayed soil within the bed.

**Soil Incorporation:** DO NOT incorporate deeper than 2 inches. Shallow soil incorporation, when recommended (see specific crop recommendation), often gives more consistent results. Depending on crop and time of application, several incorporation methods may be used.

**Preplant Incorporation:** This type of incorporation often provides better weed control on irrigated land, and also on non-irrigated land when dry weather is anticipated following planting. When recommended, DACTHAL W-75 can be sprayed on the soil

surface and then incorporated into the soil using a disc harrow or related tillage equipment. To insure complete incorporation, double disc in two directions. For incorporating banded treatments, hooded-power driven rotary tillers or ground tillers are essential.

**Delayed Preemergent Incorporation:** For crops where preplant incorporation can be used (see specific crop recommendation). Incorporation at this time should be used when adequate rainfall or irrigation is not available within 3 to 5 days after planting. Lightly incorporate (to 1 inch deep) with drag harrow, rotary hoe or other suitable tillage equipment. **Layby Incorporation:** (Just prior to stage when plant growth would prevent further cultivation). Cultivate soil to remove established weeds. Apply DACTHAL W-75 over top of foliage and lightly incorporate with suitable equipment.

**Off-Site Movement Under California Growing Conditions:** Current research indicates a propensity for off-site movement of certain soil-applied pesticides in California's unique growing conditions. Pesticides, such as DACTHAL W-75, may be moved off-site through a process called co-distillation. This phenomenon has been shown to occur where bare soil is treated (crops not present) and the soil surface is very hot. The pesticides, though not highly volatile, appear to be carried from the soil surface with water molecules during rapid evaporation that occurs immediately after irrigation. Banding applications of preemergence herbicides, such as DACTHAL W-75, significantly reduces the potential for off-site movement by reducing the amount of product used to treat a given crop area.

**Rates of Application and Weeds Controlled:** DACTHAL W-75 is recommended at rates of 6-14 lbs./A depending on soil type and weeds to be controlled. The following table outlines general recommendations for the use of DACTHAL W-75 on various soil types. The maximum rate for each soil type should be used when moderately susceptible weeds are present. Specific recommendations for each crop should be consulted. DACTHAL W-75 should not be applied to certain crops under conditions of cool, wet weather when plants are not actively growing. Refer to specific label recommendations for seeded melons, tomatoes, onions and eggplants for further details.

**Replanting:** Replanting crops other than those included on the label in DACTHAL W-75 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 cucurbits, 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 W-75 treated crop.

**IMPORTANT:** After DACTHAL W-75 treatment, wait approximately 60 days before any new seeding is undertaken. **DO NOT** use on Dichondra.

#### Limitations, Restrictions, and Exceptions

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.

- Do not use on the following plants:

Bugleweed, Mesembryanthemum, Button Pink, Pansy, Carnation, Phlox, Geum, Sweet William, Germander, Telanthera

Special Precautions: **DO NOT** feed treated foliage to livestock or graze treated areas. Apply according to directions and under conditions favorable to good plant growth. DACTHAL W-75 will not harm crops for which its use is recommended. However, conditions such as high salt concentration, seeding disease, cold weather, deep planting, excessive moisture or drought may injure or weaken crops normally tolerant to DACTHAL W-75, thereby increasing the possibility of herbicide damage. Under any of these conditions, one or more of the following may result: delayed crop development, reduced yields or reduced quality.

**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 given table at the label.

For example:

- To treat 5000 sq. ft. at the 10 lbs./acre rate, use 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).
- Rates of application can be reduced by banding.
- See Conversion Chart at the label.

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Recommended Rate DACTHAL W-75: 14 lbs / A (heavy soil)

Amount of DACTHAL W-75 to apply: 1.25 oz

Struck-off (level) Tablespoons: 5.5

Area to be Treated: 250 sq. ft. (from 0.25 gallons of water should be used to spray 250 sq. ft.)

Method

[Soil incorporation](#)

[Broadcast](#)

[Soil incorporation](#)

[Broadcast](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

[field\\_rates 2](#)

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Restricted Entry Interval

12 hours

Exception: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Timings

[At-Plant](#)

[At cultivation](#)