

## **ONIONS (DIFFICULT TO CONTROL WEEDS) - HEAVY-SILT LOAM**

### 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

Recommendations

Any Application of DACTHAL W-75 Should Be Made Prior to Weed Seed Germination

Remarks:

- Apply uniformly to the soil as a spray. DACTHAL W-75 can be sprayed directly over transplants without injury. A layby application can be made on onions either alone or in addition to a DACTHAL W-75 preemergence treatment up to 14 weeks after planting at rates up to 14 lbs./A on any soil type. If weeds emerge prior to layby, the onions should be cultivated or weeded prior to application.
- Preplant incorporation not recommended.
- Broadcast applications permitted in California for onions in certain counties from August through December. Due to potential for off-site movement through co-distillation and deposition on unlabeled crops, DACTHAL W-75 should be applied as a band application to onions in all counties with the following exception. During the period from August 1 through December 31, broadcast applications of DACTHAL W-75 may be made in the following counties: Fresno, Tulare, Kern, San Bernardino, Los Angeles, Riverside, San Diego and Imperial.
- A minimum of 50 gallons of water per acre should be used for broadcast applications. During the period from January 1 through July 31, DACTHAL W-75 applications should be applied as a banded application in all countries.

- In sandy loam soils, however, maximum preemergence rate of 10 pounds W-75 per acre is recommended

Method

[Directed Spray](#)

[Broadcast Application](#)

[Soil Spray](#)

[Directed Spray](#)

[Broadcast Application](#)

[Soil Spray](#)

Rates

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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.

Soils

[Silt Loam](#)

Timings

[Transplant](#)

[At seeding](#)