

**Precautionary Statements,
Hazards to Humans and
Domestic Animals**

Caution

Caution: Irritant. Avoid contact with eyes or clothing. Wash thoroughly with soap and water handling.

Statement of Practical Treatment:

If in Eyes: Flush with plenty of water. Call a physician if irritation persists.

If Swallowed: Do not induce vomiting if vomiting occurs spontaneously. Keep airway open. Prevent further swallowing by mouth. Call a physician. Seek medical attention.

If on Skin: Wash thoroughly with soap and water.

Environmental Hazards

Do not apply to bare granules exposed on the soil surface. Do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

Dacthal G-2.5 Herbicide

A preemergence herbicide for control of annual grasses and certain broadleaf weeds in home lawns and vegetable gardens and ornamental turf.

Read entire label carefully and use only as directed.

General Information

Dacthal G-2.5 is a 2.5% granular formulation for use as a preemergence application for control of annual grasses and other annual grasses and certain broadleaf weeds in home lawns. **Dacthal G-2.5** is recommended for use on **Turf, Home Flower Gardens, Nursery Stock, Strawberries, Seeded** beans (dry and snap), broccoli, brussels sprouts, cabbage, cauliflower, collards, cucumbers, garlic, kale, melons, watermelon, pumpkins, watermelons, mustard greens, onions, potatoes (whole and cut pieces), Southern peas (blackeye), soybeans, squash (winter and summer), pumpkins and melons. **Transplants:** broccoli, brussels sprouts, cabbage, cauliflower, eggplant, garlic, peppers, onions, sweet potatoes, tomatoes and yams.

Application should be made to a uniform weed free soil surface within two to three days maximum following cultivation to prevent subsurface germinating weeds from becoming established. Disturbing the soil surface following application will reduce effectiveness. Rates of application can be reduced on crops by banding. Band spreads should be completely tilled prior to use to deliver G-2.5 granules to established and non-established areas between spreaders because of condition and direction of travel.

Dacthal G-2.5 may be applied by the broadcast method. The ideal way of applying this soil treatment is to measure the area to be treated into small plots and then evenly distribute the prescribed quantity of **Dacthal** granules over this area.

Do not apply to lawns or turf by use of irrigation equipment.

Conversion Table: Acres to Smaller Areas

Rate per Acre	Amount of Dacthal G-2.5 to Apply	
	250 sq ft	1,000 sq ft
3.0 pounds per acre	1 lb. 13 oz.	7 lbs. 5 oz.
3.50 pounds per acre	2 lb. 11 oz.	8 lbs. 4 oz.
4.00 pounds per acre	2 lb. 9 oz.	9 lbs. 10 oz.
4.50 pounds per acre	3 lbs. 7 oz.	10 lbs. 12 oz.

For best results, use a broadcast or band application of **Dacthal G-2.5** applicator. Use a broadcast applicator if possible. Water should be used for best results.

Replanting: Replanting crops other than those included on this 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, cucumbers, tomatoes, eggplants, or peppers at this time may result in crop injury. However, all crops on this label may be planted following harvest of a **Dacthal** treated crop.

Net Contents Pounds/ Kilograms

SPECIMEN LABEL

ISK BIOTECH™

**Dacthal
Herbicide**

(2.5% Dacthal Granules)

Active ingredient: DCPA (dimethyl tetrachloroterephthalate)

Inert ingredients:

Total

Keep Out of Reach of Children

CAUTION

See side panel for additional precautionary statements

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Mentor, Ohio 44061-8000

Use only on approved crops. Do not use on any other crops. Do not use on any other crops.

buckwheat, wild canarygrass, foxtail deck, curly (from seed) toxic, goat	goosefoot, nettleleaf herb lambtail, silvercham lilytumble	sanicula, tall paricoma, foxtail polygonum, rabbitfoot rockell, London	shepherdspurse sowthistle, annual weedygrass wheatweed
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Weeds Not Controlled with Dacthal

galenoga pigweed johnsongrass (from rhizomes)	mustards nutgrass ragweed, common smartweed	velvet
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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.

DO NOT APPLY IN SUFFOLK COUNTY, LONG ISLAND, NEW YORK

Greater for Adversity: tetrachloroethylene 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. Consult with the state pesticide lead agency for information regarding soil permeability and aquifer vulnerability in your area.

Protective Clothing Required: Wear a long-sleeved shirt, long-legged pants, chemical resistant gloves, shoes and socks when handling (mixing, loading or applying) pesticides or when cleaning and repairing equipment used during mixing, loading or application of pesticides.

In case of contact with skin, wash thoroughly with soap and water. Always wash hands, face and arms with soap and water after using pesticides before showering, eating, drinking or smoking. Shower after work and do not reuse contaminated clothing. Clothing worn during work must be stored separately from household articles before reuse.

Reentry: For commercial vegetable production, do not enter treated areas for 24 hours after application unless wearing long-sleeved shirt and long pants.

Ornamental Turf: Apply uniformly to established turfgrass at the rate of 400 pounds per acre in late early spring before crabgrass and other annual grasses and broadleaved weed seeds germinate. Crabgrass seed germination usually coincides with the time Forsythia blossoms start to fall. One application applied in early spring before weed seed germination usually provides seasonal control 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 broadleaf (Poa annua) and other erratic or late-germinating grasses. The weeds in northern states; a late summer or early fall application before weed seed germination of 600 pounds per acre of Dacthal G-2.5 should supplement the early spring application. Earlier applications are required in southern United States. Consult agricultural experiment station or extension service weed specialist for details. Poa annua seeds germinate in your area and make application at least two weeks prior to this date.

Early spring application of Dacthal G-2.5 may be made to new turfgrass seedlings after the grasses have exhibited a uniform greening of the newly sown grass, preferably when 1 to 2 inches in height.

Where some spring seeding is necessary, there should be a delay of approximately 60 days after the application of most overwintering herbicides, including Dacthal G-2.5. This delay increases the survival of desirable grasses. Fall seeding of permanent grasses can follow only a single application made either in early spring up to not less than 60 days of seeding.

Dacthal is not recommended for use on evergreen grasses. Dacthal is not recommended on turfgrasses when mowed at cutting-green heights. Do not apply to Dichandra.

Flower Bedders: Apply after establishment and conditions are favorable for good plant growth, or as a supplemental application at the rate of 300 lb G-2.5 per acre. Apply to the soil following establishment or setting out of flower beds. Where possible, this should be done early in the spring. Delayed or secondary application when needed, can be made at any time provided beds have been cultivated and are free of weeds. Weed control up to three months or more may be expected following proper application. See list of ornamentals.

Nursery Stock or Ornamental Plantings: Apply at laying out, late fall, or early spring at the rate of 300 lb G-2.5 per acre. Applications should be made to soil recently cultivated to a uniform texture. These can be made immediately following laying-out of stock. With established plantings, application should be made following proper cultivating to remove existing weeds. Where possible, this should be done early in the spring. Late summer applications 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 G-2.5 is specifically recommended for weed control on the following nursery and ornamental plantings:

Alaba	Bellflower	Cinquefoil	Claudia
Ageratum	Birch	Coleus	Cyprus
Anemone	Bleedingheart	Columbine	Dahia
Anemone, Jap.	Bronzeleaf	Coneflower, purple	Delphinium
Arbutus	Buttercup	Compositae	Deutzia
Ash	Buttercup	Corallorhiza	Dogwood
Aster	Camellia	Cornus	Elaeagnus
Azalea	Candytuft	Colostomer	Eranthis
Baldwinia	Chrysanthemum	Collinsia	Eucalyptus
Berberis	Chrysanthemum	Cranioleuca	Evening primrose

Superior
Buttercup
Carotum
Mastigophyllum
Pinks
Sweet William

Note: See General information to determine proper rate for your weed complex.

Any Application of Dacthal Should be Made Prior to Weed Seed Germination

Crops	When to Apply	Rate/lb/acre
Broccoli, broccini sprouts, cauliflower, cabbage and all other Brassica (cole) leafy vegetables in the crop group*	At seeding or transplanting	300 to 420 lb Dacthal G-2.5 (See Rates of Application)

Remarks

Apply uniformly to the soil. Dacthal G-2.5 can be applied directly over transplants without injury, if weeds have emerged, soil should be clean cultivated or weeded prior to application. Can be applied incorporated.

*Brassica leafy vegetables crop includes broccoli, Chinese broccoli, broccini (rain forest), Brussels sprouts, cabbage, Chinese cabbage (pak choy, napa), Chinese mustard cabbage (pak choy), cauliflower, collards, kale, kohlrabi, mustard greens and rape greens.

Beans (dry or snap), Southern Peas (blackeye): Apply uniformly to the soil at time of seeding at rate of 300 to 420 lb G-2.5 per acre.

Seeded Cucumbers, Squash (winter or summer), Melon (cantaloupe, watermelon, honeydew): Apply uniformly to the soil at rate of 300 to 420 lb G-2.5 per acre when plants have 4 to 5 true leaves, are well established and growing conditions are favorable for good plant growth. Crops should be cultivated or weeded prior to Dacthal application if weeds have emerged.

Turnips (greens and roots): Apply uniformly to the soil at rate of 300 to 420 lb G-2.5 per acre at time of seeding.

Garlic and Onions: Apply uniformly to soil at seeding, or by transplanting and on onions at layby at rate of 300 to 420 lb G-2.5 per acre. Dacthal can be applied directly over transplants without injury. A layby application can be made on onions up to 14 weeks after transplanting. Should weeds emerge prior to layby, the crop should be cultivated or weeded before application.

Potatoes (whole or cut pieces): Apply uniformly to the soil at rate of 300 to 420 lb G-2.5 per acre at planting, drag-off or layby. If top of beds are to be dragged off, make application after drag-off. Layby applications can be made up to 8 weeks after planting if weeds have emerged at layby, the crop should be cultivated prior to application. The most favorable irrigation should not exceed one inch. Dacthal is not recommended for use on potatoes in California.

Sweet Potatoes and Yams: Apply uniformly to the soil at rate of 300 to 420 lb G-2.5 per acre at time of transplanting or layby. Dacthal can be applied over transplants without injury. Layby application can be made up to 6 weeks after transplanting. If weeds have emerged, the crop should be cultivated or weeded prior to making the Dacthal application.

Tomatoes, Eggplant, Peppers: Application uniformly to the soil at rate of 300 to 420 lb G-2.5 per acre should be confined to a period 4 to 6 weeks after transplanting. Plants should be well established and growing conditions favorable for good plant growth. Dacthal can be applied directly over the plants without injury. If weeds have emerged, the crop should be cultivated or weeded prior to making the Dacthal application.

Strawberries: New plantings - Apply uniformly to soil at rate of 300 lb per acre at time of transplanting. Established plantings - Apply in early fall and early spring at rate of 300 to 420 lb per acre to control fall and early spring germinating weeds. Do not apply after first bloom through harvest. These applications can be made directly over plants without injury.

Special Precautions: Do not feed treated foliage to livestock or grain treated areas. Apply according to directions and under conditions favorable to good plant growth. Dacthal will not harm crops for which its use is recommended; however, conditions such as high salt concentration, smothering disease, cold weather, deep planting, excessive moisture or drought may injure or weaken crops normally tolerant to Dacthal G-2.5, thereby increasing the possibility of herbicide damage. Under any of these conditions, one or more of the following may result: delayed crop development, reduced yield, reduced quality.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Clean equipment is required.

Storage: Store in a dry place.

Pesticide Disposal: Waste resulting from the use of this product may be disposed of by spreading waste disposal facility. Do not contaminate water when disposing of equipment washwaters.

Container Disposal: Completely empty bag into application container (L.S.P. 11) and dispose of empty bag in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. Do not reuse.

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 return to this warranty. In no event shall Seller's liability for breach of warranty exceed the purchase price of the material as to which a claim is made.