

✓  
13 AUG 1992

50534-3

**Net Contents 50 Pounds/22.7 Kilograms**

**ISK BIOTECH™**

# Dacthal G-5 Herbicide

**(5% Dacthal Granules)**

Active ingredient: DCPA (dimethyl tetrachloroterephthalate)  
Inert ingredients:  
Total:

By Wt.
5 0%
95 0%
100 0%

**Keep Out of Reach of Children**  
**CAUTION**

See back panel for additional precautionary statements

ISK Biotech Corporation  
5956 Hershey Road  
PO Box 8000  
Mentor, Ohio 44051-8000

EPA Reg No 50534-3

EPA Est No 50534-TX-01

3209-J010-1015-9201

**BEST AVAILABLE COPY**

# Hazards to Humans and Domestic Animals

## Caution

Causes eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after 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 clear. Never give anything by mouth to an unconscious person. Seek medical attention.

**If On Skin:** Wash thoroughly with soap and water.

## Environmental Hazards

Collect and incorporate granules spilled on the soil surface. 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 by cleaning of equipment or disposal of wastes.

## Dacthal G-5 Herbicide

A selective preemergence herbicide for control of annual grasses and certain broadleaved weeds in home flower and vegetable gardens and ornamental turf.

Read entire label carefully and use only as directed.

## General Information

Dacthal G-5 is a 5% granular formulation for use as a preemergence application for control of crabgrass and other annual grasses and certain broadleaved weeds on mineral soils. Dacthal G-5 is recommended for use on Turf: Home Flower Gardens; Nursery Stock; Strawberries; Seeded Crops: beans (dry and snap), broccoli, brussels sprouts, cabbage, cauliflower, collards, cucumbers, garlic, horseradish, kale, melons (cantaloupe, honeydew, watermelon), mustard greens, onions, potatoes (whole and cut pieces), Southern peas (black-eyed), soybeans, squash (winter and summer), turnip greens and turnips; Transplant Crops: 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 sub-surface germinating weeds from becoming established. Disturbing the soil surface following application will reduce effectiveness. Rates of application can be reduced by banding. Lawn spreaders should be properly calibrated prior to use to deliver Dacthal G-5 granules at prescribed rate. Settings may vary between spreaders because of condition and other factors.

Dacthal G-5 can also be applied by the shaker can method. The ideal way of doing this is to measure off the area to be treated into small plots and then evenly sprinkle the prescribed quantity of Dacthal granules over this area.

Do not apply this product through any type of irrigation equipment.

Conversion Table — Acre and Smaller Areas

If Rate per Acre is	Amount of Dacthal G-5 to Apply	
	250 sq. ft.	1,000 sq. ft.
160 pounds per acre	0 lb 15 oz	3 lbs 12 oz
180 pounds per acre	1 lb 4 oz	4 lbs 2 oz
210 pounds per acre	1 lb 3 oz	4 lbs 12 oz
300 pounds per acre	1 lb 12 oz	7 lbs 0 oz

If there is no rain within three or four days after Dacthal G-5 application, sprinkler irrigation (1/2 to 1 inch of 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, potatoes, 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.

## Weed Control Spectrum

Dacthal is a preemergence herbicide which provides effective control of annual grasses and certain broadleaved weeds. The following weeds are grouped according to their susceptibility to Dacthal.

### Susceptible Weeds

Controlled at Lowest Recommended Rates for Each Soil Type

carpetweed	foxtail, green	lovegrass	perennial
chickweed, common	foxtail, yellow	nettle, burning	pusley, Florida
crabgrass, large	lambequarters, common	pansy, field	witchgrass
crabgrass, smooth			

### Moderately Susceptible Weeds

Highest Recommended Rates for Each Soil Type Required for Effective Control

barnyardgrass	dodder	johnsongrass (from seed)	sandspur
bluegrass, annual	deadnettle, purple	knotweed, prostrate	spurge, nodding
copperleaf, rhombic	deadnettle, spotted	nightshade, black	spurge, prostrate
copperleaf, Virginia	goosegrass	panicum, brown top	spurge, spotted
(three-seeded mercury)	groundcherry	pigweed, redroot	

### Difficult to Control Weeds

Commercially acceptable control of the following weeds may not always be obtained but weed populations will be suppressed when applied at the maximum labeled rate, thus resulting in less competition with the emerging and growing crop.

buckwheat, wild	goosefoot, nettleleaf	panicum, fall	shepherdspurge
canarygrass, littleseed	henbit	panicum, Texas	sowthistle, annual
dock, curly (from seed)	knotweed, silversheath	polypogon, rabbitfoot	vinegrass
foxtail, giant	ladythumb	rocket, London	witchweed

## Weeds Not Controlled with Dacthal

galinsoga  
jimsonweed

johnsongrass  
(from rhizomes)  
mustards

nutsedge  
ragweed, common

smartweed  
velvetleaf

## 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.

**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. 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 smoking, eating, drinking or toileting. Shower after work and do not reuse contaminated clothing. Clothing worn during work must be laundered 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 200 lbs Dacthal G-5 per acre in the 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 in early spring before weed seed germination usually provides season long 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. To control annual bluegrass (*Poa annua*) and other erratic or later-germinating grasses and weeds in northern states, supplement the early spring application of Dacthal G-5 with an application of 300 lbs Dacthal G-5 in late summer or early fall before weed seed germination. Earlier applications are required in southern United States. Consult agricultural experiment station or extension service weed specialist for date *Poa annua* seeds germinate in your area and make application at least two weeks prior to this date.

Early spring application of Dacthal G-5 may be made to new turfgrass seedlings after the grasses have exhibited a uniform greening and the grass is preferably 1 to 2 inches in height.

Where some spring seeding is necessary, there should be a delay of approximately 60 days after application of Dacthal G-5. This delay increases the survival of desirable grasses. Fall seeding of permanent grasses may follow a single application made either in early spring up to not less than 60 days of seeding.

Dacthal G-5 is not recommended for use on putting-greens. Dacthal G-5 is not recommended on bentgrasses when mowed at putting-green heights. Do not apply to Dichondra.

**Flower Gardens:** Apply after establishment of bed and conditions are favorable for good plant growth, or as a supplemental application at 180 lbs Dacthal G-5 per acre. Where possible the bed should be established and application made early in the spring. Delayed or secondary applications, 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 lining out, late fall or early spring at 180 lbs. Dacthal G-5 per acre. 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 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-5 is specifically recommended for weed control on the following nursery and ornamental plantings:

Abelia	Cuphea	Ivy, English	Poker plant
Ageratum	Cypress	Ivy, Wilson	Poplar
Alyssum	Dahlia	Juniper	Privet
Andromeda, Jap	Delphinium	Lantana	Privet, variegated
Arborvitae	Deutzia	Larkspur, candle	Redbud
Ash	Dogwood	Lavender/cotton	Rhododendron
Aster	Elaeagnus	Lilac	Rose
Azalea	Elm	Lily	Russian olive
Babysbreath	Euonymus	Locust	Sage, scarlet
Barberry	Evening Primrose	Lupine	Snapdragon
Bellflower	Feverfew	Magnolia	Spiderwort, Va.
Birch	Fir	Maple	Spiraea
Bleedingheart	Forget-me-not	Marguerite, golden	Spruce
Bloodleaf	Forsythia	Mangold	Stonewort
Boxwood	Four-O'Clock	Mockorange	Strophilium
Bugloss	Foxglove	Morningglory	Sundrops
Camellia	Gaillardia	Moss, rose	Sunflower
Candytufts	Geranium	Mother-of-thyme	Swamp, p.a.
Chestnut	Glaucolus	Mountain Laurel	Sycamore
Chrysanthemum	Golddust	Mourning Bride	Tree peony
Cinquefoil	Golden tuft	Nasturtium	Tulip tree
Coleus	Gum	Oak	Viburnum
Columbine	Hawthorn	Orpine	Violet, African
Coneflower, purple	Heath, pink	Pachistima	Walnut
Coreopsis	Holly	Pachysandra	Weigela
Coralbells	Hydrangea	Peony	Willow
Cosmos	Honeysuckle	Petunia	Wormwood
Coloneaster	Iris	Pine	Yarrow, fernleaf
Cottonwood	Ivy, Baltic	Pittosporum	Yew
Crabapple	Ivy, Boston	Podocarpus	Zinnia

Do not use on the following plants:

Bugleweed	Geum	Parsy
Button pink	Germander	Phlox
Carnation	Mesembryanthemum	Sweet William
		Telandra

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/Acre	Remarks
Broccoli, brussels sprouts, cauliflower, cabbage and all other Brassica (cole) leafy vegetables in this crop group.*	At seeding or transplanting	160 to 210 lbs Dacthal G-5 (See Rates of Application)	Apply uniformly to the soil. Dacthal G-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 preplant incorporated.

\*Brassica leafy vegetables crop group includes broccoli, Chinese broccoli, broccoli raab (rapini), Brussels sprouts, cabbage, Chinese cabbage (bok choy, napa), Chinese mustard cabbage (gai choy), cauliflower, collards, kale, kohlrabi, mustard greens and rape greens.

Beans (dry or snap), Southern Peas (blackeyed): Apply uniformly to the soil at time of seeding at 160 to 210 lbs. Dacthal G-5 per acre.

Seeded Cucumbers, Squash (winter and summer), Melons (cantaloupe, watermelon, honeydew): Apply uniformly to the soil at 160 to 210 lbs. Dacthal G-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 application if weeds have emerged.

Turnips (greens and roots): Apply uniformly to the soil at 160 to 210 lbs Dacthal G-5 per acre at time of seeding.

Garlic and Onions: Apply uniformly to soil at seeding, or transplanting and/or layby at 160 to 210 lbs Dacthal G-5 per acre. Application can be made directly over transplants without injury. A layby application can be made on onions up to 14 weeks after seeding or transplanting; on garlic, layby application can be made when the crop plant has 3 to 5 true leaves. Should weeds emerge prior to layby, the crop should be cultivated or weeded before application.

Horseradish: Apply uniformly to the soil at time of planting at 160 to 210 lbs. of Dacthal G-5 per acre. Preplant incorporation is not recommended.

Potatoes (whole or cut pieces): Apply uniformly to the soil at 160 to 210 lbs. Dacthal G-5 per acre at planting, drag-off or layby. If top of beds are to be dragged off, make application after drag-off. Layby application can be made up to 9 weeks after planting. If weeds have emerged at layby, the crop should be cultivated prior to application. The initial sprinkler irrigation should not exceed one inch. Dacthal G-5 is not recommended for use on potatoes in California.

Sweet Potatoes and Yams: Apply uniformly to the soil at 160 to 210 lbs Dacthal G-5 per acre at time of transplanting or layby. Application can be made directly 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 application.

Tomatoes, Eggplant, Peppers: Apply uniformly to the soil at 160 to 210 lbs Dacthal G-5 per acre. Application 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. Application can be made directly over the plants without injury. If weeds have emerged, the crop should be cultivated or weeded prior to application.

Strawberries: New plantings — Apply uniformly to soil at 160 lbs per acre at time of transplanting. Established plantings — Apply in early fall and early spring at rate of 160 to 180 lbs 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 forage to livestock or graze treated areas. Applied according to directions and under conditions favorable to good plant growth, Dacthal G-5 will not harm crops for which its use is recommended; however, conditions such as high salt concentration, seedling disease, cold weather, deep planting, excessive moisture or drought may injure or weaken crops normally tolerant to Dacthal G-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 yields or reduced quality.

## 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: Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility. Do not contaminate water when disposing of equipment washwaters.

Container Disposal: Completely empty bag into application equipment and dispose of empty bag in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 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.