

COMMERCIAL

GROUP	3	HERBICIDE
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Dacthal G-5 Crabgrass Preventer Herbicide

(5% Dacthal[®] Granules)
Contains: Chlorthal dimethyl ester

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ LABEL BEFORE USING

GUARANTEE: Chlorthal (present as dimethyl ester 5%)
(Dimethyl tetrachloroterephthalate*)

REGISTRATION NO. 10708 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 15 kg

AMVAC Chemical Corporation
4100 E. Washington Boulevard
Los Angeles, CA 90023 USA
1-323-264-3910

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed.

Avoid contact with eyes. Wash after handling or using.

DO NOT APPLY BY AIR.

DO NOT apply Dacthal G-5 to newly seeded turf until after it has been mowed for the first time.

See caution on bentgrass greens under Turf recommendations.

DO NOT use on muck soil.

DO NOT graze the treated crops or cut for hay; sufficient data are not available to support such use.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or www.cropro.org/.

FIRST AID

If swallowed, obtain medical attention or contact a poison control centre at once. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. In case of contact with eyes, wash eyes with plenty of clean water. If irritation persists, get medical attention or contact poison control centre immediately. Wash after handling or using. If on skin, wash with soap and water. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

EMERGENCY TELEPHONE NUMBER

All hours, 1-323-264-3910 **ONLY** for health and environmental information.

STORAGE

DO NOT store near food or feedstuff, seeds, fertilizers or other pesticides in order to prevent contamination. Store in a dry ventilated place.

DISPOSAL

1. Thoroughly empty contents of the container into the application device.
2. Make the empty container unsuitable for further use.
3. Dispose of the container accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product, contact the manufacturer or the Provincial Regulatory Agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

PRODUCT INFORMATION

Dacthal G-5 is a 5% granular formulation for use as a pre-emergence 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 and Nursery Stock.

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use the control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risks to persons or property arising from the use or handling of this product and accepts the product on that condition.

DIRECTIONS

For the control of grasses and some broadleaved weed species such as smooth and hairy crabgrass, green foxtail, yellow foxtail, witchgrass, common chickweed, lamb's-quarters and purslane. Dacthal G-5 is recommended at the rate of 275-325 kg/ha; 3 Kg/100 m². A slightly higher rate up to 4 kg/100 m² may be required to control barnyard grass, annual bluegrass, ground cherry, browntop panicum, redroot pigweed.

When Dacthal G-5 is used at the recommended rate, up to four months weed control can be expected. Quackgrass, wild mustard, smartweed, velvetleaf and ragweed have not been controlled with Dacthal G-5.

Spreaders should be calibrated to ensure that they are applying the correct amount of Dacthal G-5. Application should be made to uniform weed-free soil surface within two-three days maximum after cultivation to prevent surface germinating weeds from becoming established before the Dacthal is activated. Disturbing the soil surface following application will reduce effectiveness. Rates of application can be reduced by banding.

If there is no effective rainfall within three or four days after Dacthal G-5 application, sprinkler irrigation should be used for best results.

Dacthal G-5 can also be applied by the shaker method. The ideal way of doing this is to measure off the area to be treated into small plots and then evenly spread the prescribed quantity of Dacthal granules over this area. 300 grams treats 10 m².

ANY APPLICATION OF DACTHAL SHOULD BE MADE PRIOR TO WEED SEED GERMINATION.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Dacthal G-5 is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to Dacthal G-5 and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of Dacthal G-5 or other Group 3 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed population for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or integrated weed management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Amvac at 1-323-264-3910 or at www.amvac-chemical.com.

RECOMMENDATIONS

TURF: Apply uniformly to established turfgrass at the rate of 325 kg per hectare (3.25 kg per 100 m²) in the early spring, before crabgrass and other annual grasses and broadleaved weeds germinate. This usually coincides with the time forsythia blossoms start to fall. One application made before weed germination in early spring, usually provides season long control.

Early spring application of Dacthal G-5 herbicide may be made to newly seeded turf after it has been mowed for the first time. Early spring application of Dacthal G-5 herbicide allows fall sowing of permanent grass. To control annual bluegrass (*Poa annua*) and other erratic or late germinating grasses and weeds, a late summer or early fall application of 325 kg per hectare of Dacthal G-5 herbicide should supplement the early spring application.

The use of Dacthal on bentgrass greens should be restricted to portions of greens previously known to be infested with crabgrass and only to bentgrass greens which are known to be tolerant of Dacthal. Application to Cohansey or Toronto bents is not recommended. At the recommended rate of application, Dacthal herbicide does not show herbicide injury or discoloration to established common lawn grasses. No more than the recommended rate should be used.

FLOWER GARDENS: Apply after establishment or as supplemental application at the rate of 275 kg per hectare (2.8 kg/100 m²). Apply to the soil following establishment or setting out of flowerbeds. Where possible this should be done early in spring. Delayed or secondary application can be made at any time providing beds have been cultivated and are free of weeds. Weed control up to four months or more may be expected following proper application.

ESTABLISHED ORNAMENTAL PLANTINGS: Early spring applications at the rate of 275 kg per hectare (2.8 kg/100 m²) or fall applications at 325 kg per hectare (3.25 kg/100 m²) should be made to soil recently cultivated to a uniform texture. 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 to be beneficial for control of fall germinating weeds if made following cultivation. Weed control up to four months or more may be expected following proper application. See list. Abelia, Barberry, Deutzia, Euonymus, Forsythia, Holly, Juniper, Locust, Maple, Oak, Spiraea, Sycamore, Tulip tree, Walnut, Weigela, Willow, Yew, English ivy, Alyssum, Baby's breath, Candytufts, Feverfew, Gladiolus, Marigold, Peony, Petunia, Salvia.

DO NOT USE ON THE FOLLOWING PLANTS:

Germander, Bugleweed, Geum, Snapdragon, Telanthera, Mesembryanthemum, Sweet William, Button Pink, Carnation, Celosia, Pansy, Phlox, Vinca minor.

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