

P.M. 23

1386-610

145

WEED KILLER GRANULES

Contains
DACTHAL®

For Use in Flower
and Vegetable
Gardens and Or-
namental Turf.



Active Ingredient:

DCPA (dimethyl tetra-
chloroterephthalate) 5.0%

Inert Ingredients 95.0%

Total 100.0%

ACCEPT
June 22, 1982
Federal Insect
EPA Reg. No. 1386-610

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Back Panel For Additional Precautionary Statements

Net Weight: 4 Pounds

EPA Reg. No. 1386-610

EPA Est. No. 1386-OH-1



145

525

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. **If on Skin:** Wash with soap and water.

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

ENVIRONMENTAL HAZARDS

Collect and incorporate granules spilled on the soil surface. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

General Information

Weed Killer Granules 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. Weed Killer Granules 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 (cantaloupe, honeydew, watermelon), mustard greens, onions, potatoes (whole and cut pieces), Southern peas (blackeyes), squash (winter and summer), turnip greens and turnips. Transplants: broccoli, brussels sprouts, cabbage, cauliflower, eggplant, garlic, peppers, onions, sweet potatoes, tomatoes and yams.

For the control of grasses and some broadleaved weed species, such as smooth and large crabgrass, green foxtail, yellow foxtail, lovegrass, witchgrass, carpetweed, common chickweed, lambsquarters, purslane, and Florida pusley, Weed Killer Granules is recommended at 160 to 180 pounds per acre. A slightly higher rate of application (up to 210 pounds per acre) of this product may be required for control of barnyardgrass, ground cherry, dodder, browntop panicum, goosegrass, johnsongrass from seed, redroot pigweed, noddling spurge, spotted spurge and prostrate spurge. A rate of 300 pounds per acre is recommended for control of annual bluegrass in turf. When Weed Killer Granules is used at the recommended rate, up to 3 months weed control can be expected. Bermudagrass, johnsongrass established from rhizomes, nuttall's galinsoga, wild mustard, ragweed, smartweed and velvetleaf have not been effectively controlled with Weed Killer Granules.

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 by banding. Lawn spreaders should be properly calibrated prior to use to deliver Weed Killer Granules at prescribed rate. Settings may vary between spreaders because of conditions and other factors.

Weed Killer Granules 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 Weed Killer Granules over this area.

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Conversion Table — Acre to Smaller Areas

If Rate per Acre is	Amount of Weed Killer Granules to Apply	
	250 sq. ft.	1000 sq. ft.
160 pounds per acre	0 lbs. 15 oz.	3 lb. 11 oz.
180 pounds per acre	1 lb. ½ oz.	4 lb. 2 oz.
210 pounds per acre	1 lb. 3 oz.	4 lb. 13 oz.
300 pounds per acre	1 lb. 12 oz.	6 lb. 14 oz.

If there is no rain within three or four days after Weed Killer Granules application, sprinkler irrigation (½ 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. Any application of DACTHAL should be made prior to weed seed germination.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING: Wear long-sleeved shirt and long-legged pants and chemical resistant gloves.

IMPORTANT! If the pesticide comes in contact with skin wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER USE: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Do not reuse contaminated clothing. Clothing worn during use must be laundered separately from household articles.

Ornamental Turf: Apply uniformly to established turfgrass at the rate of 200 pounds 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 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 bluegrass (*Poa annua*) and other erratic or late-germinating grasses and weeds in northern states, a late summer or early fall application before weed seed germination of 300 pounds per acre of Weed Killer Granules should supplement the early spring application. 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 Weed Killer Granules may be made to new turfgrass seedlings after the grasses have exhibited a uniform greening of the newly sprouted grass, preferably when 4 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 preemergence herbicides, including Weed Killer Granules. This delay increases the survival of desirable grasses. Fall seeding of permanent grasses can follow only a single application made either in early spring or up to not less than within 60 days of seeding.

Weed Killer Granules is not recommended for use on putting-greens. Weed Killer Granules is not recommended on bentgrasses when mowed at putting-green heights. DO NOT apply to Dichondra.

Flower Gardens: Apply after establishment and conditions are favorable for good plant growth, or as a supplemental application at the rate of 180 lbs. 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 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 the rate of 180 lbs. 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. Weed Killer Granules is specifically recommended for weed control on the following nursery and ornamental plantings:

Abelia	Coreopsis	Gladiolus	Marigold	Russian olive
Ageratum	Coralbelts	Golddust	Mockorange	Sage, scarlet
Alyssum		Goldentuff	Morningglory	Snapdragon
Andromeda, Jap.	Cotoneaster	Gum	Moss, rose	Spidenwort, Va.
Arborvitae	Cottonwood	Hawthorn		Spiraea
Ash		Heath, pink	Mountain Laurel	Spruce
Aster	Cuphea	Holly		Stonecrop
Azalea	Cypress	Hydrangea	Nasturtium	Strawflower
Babysbreath	Dahlia	Honeysuckle	Oak	Sundrops
Barberry		Iris	Orpine	Sunflower
Bellflower	Deutzia	Ivy, Baltic:	Pachistima	Sweet pea
Birch	Dogwood	Ivy, Boston	Pachysandra	Sycamore
Bleedingheart	Elaeagnus	Ivy, English	Peony	Tree peony
Bloodleaf	Elm	Ivy, Wilson	Petunia	Tulip tree
Boxwood	Euonymus	Juniper	Pine	
Bugloss	Evening primrose	Lantana	Pittosporum	Violet, African
Camelia	Feverfew	Larkspur, candle	Podocarpus	Walnut
Candytufts	Fir	Lavendercotton		Weigelia
Chestnut	Forget-me-not	Lilac	Poplar	Willow
Chrysanthemum	Forsythia	Lily	Privet	Wormwood
Cinquefoil	Four-O'Clock	Locust	Privet variegated	Yarrow, fernleaf
Coleus	Foxglove	Lupine	Redbud	Yew
Columbine	Gaillardia	Magnolia	Rhododendron	Zinnia
Coneflower, purple	Geranium	Marguerite, goldenRose		

DO NOT use on the following plants:

Bugleweed	Carnation	Germander	Pansy	Sweet William
Button pink	Geum	Mesembryanthemum	Phlox	Telantha

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

Broccoli, Brussels Sprouts, Cauliflower, Cabbage: Apply uniformly to the soil at seeding or transplanting at the rate of 160 to 210 lbs. per acre. Weed Killer Granules can be applied directly over transplants without injury. If weeds have emerged, crops should be clean cultivated or weeded prior to application.

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

Seeded Cucumbers, Squash (winter and summer), Melons (cantaloupe, watermelon, honey-dew): Apply uniformly to the soil at rate of 160 to 210 lbs. 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 Weed Killer Granules application if weeds have emerged.

Collards, Kale, Mustard Greens, Turnips (greens and roots): Apply uniformly to the soil at rate of 160 to 210 lbs. per acre at time of seeding.

Garlic and Onions: Apply uniformly to the soil at seeding, or transplanting, and on onions at layby at rate of 160 to 210 lbs. per acre. Weed Killer Granules can be applied directly over transplants without injury. A layby application can be made on onions up to 14 weeks after seeding or 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 160 to 210 lbs. 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. Weed Killer Granules is not recommended for use on potatoes in California.

Sweet Potatoes and Yams: Apply uniformly to the soil at rate of 160 to 210 lbs. per acre at time of transplanting or layby. Weed Killer Granules can be applied directly over transplants without injury. Layby application can be made up to 6 weeks after transplanting. If weeds have

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emerged, the crop should be cultivated or weeded prior to making the Weed Killer Granules application.

Tomatoes, Eggplant, Peppers: Application uniformly to the soil at rate of 160 to 210 lbs. 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. Weed Killer Granules can be applied directly over the plants without injury. If the weeds have emerged, the crop should be cultivated or weeded prior to making the Weed Killer Granules application.

Strawberries: New plantings — Apply uniformly to soil at rate of 180 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 foliage to livestock or graze treated areas. Applied according to directions and under conditions favorable to good plant growth, Weed Killer Granules 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 Weed Killer Granules 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

STORAGE: Store product in original container and in a locked storage area. Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty bag. Discard bag in trash.

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.

*Use as preemergence herbicide patented under U.S. Pat. No. 2,923,634

DACHTHAL® —Reg. T.M. of Diamond Shamrock, Corp.

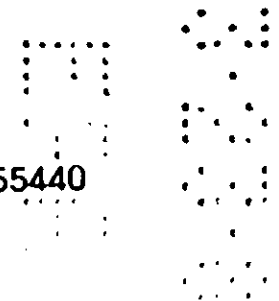
EPA Reg. No. 1386-610

EPA Est. No. 1386-OH-1

CO-OP is a registered trademark of Universal Cooperatives, Inc

Net Weight: 4 Pounds

UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440



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1586-610

APR 5 1995

Ms. Nix Ramswick
Universal Cooperatives, Inc.
7801 Metro Parkway
P.O. Box 460
Minneapolis, Minnesota 55440

Dear Ms. Ramswick:

Subject: Dacthal 5-G
EPA Registration No. 1386-610
Application Dated March 21, 1995, Request To
Add Pre-approved Exclusionary Statements To
Remove Product from Scope of WPS and To Amend
Labeling To Remove Product from Agricultural
Use Requirements Under WPS.

The confidential statement of the basic formula submitted on EPA Form 8570-4 and dated March 21, 1995 has been reviewed and found acceptable as an amendment to the subject EPA pesticide product registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended. A copy of the formula has been added to this Agency's file for this product.

The subject proposed amendments to the EPA registration of Dacthal 5-G has been reviewed and is acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended provided that you:

1. Add a "Use Precaution" section under the "Directions for Use" on the proposed labeling which would include general use precautions that would be applicable to any of the use-patterns listed under the title "Directions for Use". In this section tell the using public when to use the high and low dosages when a range of dosages is given in the use-pattern. We note that the label states: "See General Information to determine proper rate for your weed complex." This is inadequate because you give a range of dosages for the listed weeds you claim to control with this product.
2. Delete the phrase: "For terrestrial uses," from the Environmental Hazards statements in compliance with PR Notice 93-8.

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3. Submit one (1) copy of the final printed labeling before releasing the product for shipment under the subject labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (7505C)

enclosure

E.wilson:DisketteABC17:04-04-95

DACTHAL 5-G

Contains
DACTHAL®

For Use in Flower
and Vegetable
Gardens and Or-
namental Turf.



Active Ingredient:

DCPA (dimethyl tetra- chloroterephthalate)	5.0%
Inert Ingredients	95.0%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Back Panel For Additional Precautionary Statements

Net Weight: 4 Pounds

EPA Reg. No. 1386-610

EPA Est. No. 1386-OH-1



ACCEPTED
with COMMENTS
in EPA Letter Dated

APR 5 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
1386-610

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING: Wear long-sleeved shirt and long-legged pants and chemical resistant gloves.

IMPORTANT! If the pesticide comes in contact with skin wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER USE: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Do not reuse contaminated clothing. Clothing worn during use must be laundered separately from household articles.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. **If On Skin:** Wash with soap and water. **If In Eyes:** Flush with plenty of water. Call a physician if irritation persists.

ENVIRONMENTAL HAZARDS

Collect and incorporate granules spilled on the soil surface. For terrestrial uses, do not apply directly to water, or 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.

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. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater used for drinking water.

GENERAL INFORMATION

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

Dacthal 5-G 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 5-G is recommended for use on Turf, Home Flower Gardens, Strawberries, Seeded: beans (dry and snap), broccoli, brussels sprouts, cabbage, cauliflower, collards, cucumbers, garlic, kale, melons (cantaloupe, honeydew, watermelon), mustard greens, onions, potatoes (whole and cut pieces), Southern peas (blackeyes), squash (winter and summer), turnip greens and turnips, Transplants: broccoli, brussels sprouts, cabbage,

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cauliflower, eggplant, garlic, peppers, onions, sweet potatoes, tomatoes and yams.

For the control of grasses and some broadleaved weed species, such as smooth and large crabgrass, green foxtail, yellow foxtail, lovegrass, witchgrass, carpetweed, common chickweed, lambsquarters, purslane, and Florida pusley, Dacthal 5-G is recommended at 15 ounces to 1 pound and 1/2 ounce per 250 square feet. A slightly higher rate of application (up to 1 pound and 3 ounces per 250 square feet) of this product may be required for control of barnyardgrass, ground cherry, dodder, browntop panicum, goosegrass, johnsongrass from seed, redroof pigweed, noddling spurge, spotted spurge and prostrate spurge. A rate of 1 pound and 12 ounces per 250 square feet is recommended for control of annual bluegrass in turf. When Dacthal 5-G is used at the recommended rate, up to 3 months weed control can be expected. Bermudagrass, johnsongrass established from rhizomes, nutsedge, galinsoga, wild mustard, ragweed, smartweed and velvetleaf have not been effectively controlled with Dacthal 5-G.

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 by banding. Lawn spreaders should be properly calibrated prior to use to deliver Dacthal 5-G at prescribed rate. Settings may vary between spreaders because of conditions and other factors.

Dacthal 5-G 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 5-G over this area. If there is no rain within three or four days after Dacthal 5-G 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. Any application of Dacthal should be made prior to weed seed germination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Ornamental Turf: Apply uniformly to established turfgrass at the rate of 1 pound and 2 ounces per 250 square feet in the early spring before crabgrass and other annual grasses and broadleaved weed seeds germinate. Crabgrass seed germination usually coincides with the time Forysthia 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 bluegrass (Poa annua) and other erratic or late-germinating grasses and weeds in northern states, a late summer or early fall application before weed seed germination of 1 pound and 12 ounces per 250 square feet of Dacthal 5-G should supplement the early spring application. 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 5-G may be made to new turfgrass seedlings after the grasses have exhibited a uniform greening of the newly sprouted 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 preemergence herbicides, including Dacthal 5-G. This delay increases the survival of desirable grasses. Fall seeding of permanent grasses can follow only a single application made either in early spring or up to not less than within 60 days of seeding.

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

Flower Gardens: Apply after establishment and conditions are favorable for good plant growth, or as a supplemental application at the rate of 1 pound and 1/2 ounce per 250 square feet. 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 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.

Ornamental Plantings: Apply at lining out, late fall or early spring at the rate of 1 pound and 1/2 ounce per 250 square feet. 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 5-G is specifically recommended for weed control on the following ornamental plantings.

- | | | | |
|-----------------|--------------------|--------------|--------------------|
| Abelia | Cinquefoil | Forsythia | Lantana |
| Ageratum | Coleus | Four-O'Clock | Larkspur, candle |
| Alyssum | Columbine | Foxglove | Lavendercotton |
| Andromeda, Jap. | Coneflower, purple | Gaillardia | Lilac |
| Arborvitae | Coreopsis | Geranium | Lily |
| Ash | Coralbells | Gladiolus | Locust |
| Aster | Cotoneaster | Golddust | Lupine |
| Azalea | Cottonwood | Goldentuft | Magnolia |
| Babysbreath | Cuphea | Gum | Marguerite, golden |
| Barberry | Cypress | Hawthorn | Marigold |
| Bellflower | Dahlia | Health, pink | Mockorange |
| Birch | Deutzia | Holly | Morningglory |
| Bleedingheart | Dogwood | Hydrangea | Moss, rose |
| Bloodleaf | Elaeagnus | Honeysuckle | Mountain Laurel |
| Boxwood | Elm | Iris | Nasturtium |
| Bugloss | Euonymus | Ivy, Baltic | Oak |
| Camelia | Evening primrose | Ivy, Boston | Orpine |
| Candytufts | Feverfew | Ivy, English | Pachistima |
| Chestnut | Fir | Ivy, Wilson | Pachysandra |
| Chrysanthemum | Forget-me-not | Juniper | Peony |

Petunia	Rhododendron	Stonecrop	Violet, African
Pine	Rose	Strawflower	Walnut
Pittosporum	Russian olive	Sundrops	Weigelia
Podocarpus	Sage, scarlet	Sunflower	Willow
Poplar	Snapdragon	Sweet pea	Wormwood
Privet	Spiderwort, Va.	Sycamore	Yarrow, fernleaf
Privet variegated	Spirea	Tree peony	Yew
Redbud	Spruce	Tulip tree	Zinnia

DO NOT use on the following plants:

Bugleweed	Carnation	Germander	Pansy	Sweet William
Button pink	Geum	Mesembryanthemum	Phlox	Telantha

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

Broccoli, Brussels Sprouts, Cauliflower, Cabbage: Apply uniformly to the soil at seeding or transplanting at the rate of 15 ounces to 1 pound and 3 ounces per 250 square feet. Dacthal 5-G can be applied directly over transplants without injury. If weeds have emerged, crops should be clean cultivated or weeded prior to application.

Beans (dry or snap), Southern Peas (blackeyed): Apply uniformly to the soil at time of seeding at rate of 15 ounces to 1 pound and 3 ounces per 250 square feet.

Seeded Cucumbers, Squash (winter and summer), Melons (cantaloupe, watermelon, honeydew): Apply uniformly to the soil at rate of 15 ounces to 1 pound and 3 ounces per 250 square feet 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 5-G application if weeds have emerged.

Collards, Kale, Mustard Greens, Turnips (greens and roots): Apply uniformly to the soil at rate of 15 ounces to 1 pound and 3 ounces per 250 square feet at time of seeding.

Garlic and Onions: Apply uniformly to the soil at seeding, or transplanting, and on onions at layby at rate of 15 ounces to 1 pound and 3 ounces per 250 square feet. Dacthal 5-G can be applied directly over transplants without injury. A layby application can be made on onions up to 14 weeks after seeding or 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 15 ounces to 1 pound and 3 ounces per 250 square feet 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 5-G is not recommended for use on potatoes in California.

Sweet Potatoes and Yams: Apply uniformly to the soil at rate of 15 ounces to 1 pound and 3 ounces per 250 square feet at time of transplanting or layby. Dacthal 5-G can be applied 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 making the Dacthal 5-G application.

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Tomatoes, Eggplant, Peppers: Application uniformly to the soil at rate of 15 ounces to 1 pound and 3 ounces per 250 square feet 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 5-G can be applied directly over the plants without injury. If the weeds have emerged, the crop should be cultivated or weeded prior to making the Dacthal 5-G application.

Strawberries: New plantings - Apply uniformly to soil at rate of 1 pound and 1/2 ounce per 250 square feet at time of transplanting. **Established plantings** - Apply in early fall and early spring at rate of 15 ounces to 1 pound and 3 ounces per 250 square feet 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 graze treated areas. Applied according to directions and under conditions favorable to good plant growth, Dacthal 5-G will not harm crops for which its use is recommended; however, conditions such as high soil concentration, seedling disease, cold weather, deep planting, excessive moisture or drought may injure or weaken crops normally tolerant to Dacthal 5-G 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

STORAGE: Store product in original container and in a locked storage area. Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty bag. Discard bag in trash.

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.

*Use as preemergence herbicide patented under U.S. Pat. No. 2,923,634

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EPA Est. No. 1385-GH-1

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