

PM23

8590-377

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 26 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Beverly Randall
UNIVERSAL COOPERATIVES INC.
AGENT FOR: AGWAY INC.
BOX 460
MINNEAPOLIS, MN 55440

Subject: Label Amendment Submission of 08/04/93 in Response to PR Notice 93-7
EPA Reg. No. 8590-377
AGWAY DACTHAL 5G TURF HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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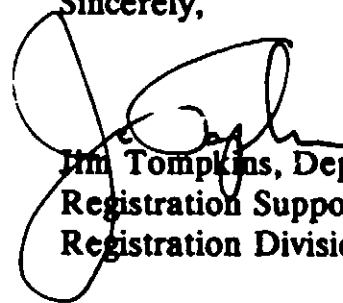
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

HERBICIDE

(5% DACTHAL GRANULES)

Agway Dacthal 5G Turf Herbicide 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.

It is recommended for use on turf and ornamental plantings.

ACTIVE INGREDIENT:

Dimethyl ester of tetrachloroterephthalic acid* 5%

INERT INGREDIENTS 95%

100%

Use as a preemergence herbicide patented under U. S. Patent No. 2,923,634.

Dacthal® — Registered trademark of the Diamond Shamrock Corporation.

CAUTION: KEEP OUT OF REACH OF CHILDREN.

DO NOT take internally. Avoid contact with eyes. Wash after handling or using.

DO NOT store near feed and foodstuffs, seed fertilizers or other pesticides in order to prevent contamination. Do not graze on treated areas or feed plant refuse to livestock. Store in dry place.

DO NOT reuse empty container. Destroy by burning in a safe place. Stay away from smoke.

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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Follow manufacturer's instructions for cleaning /maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 26 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

8590 377

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

GENERAL INFORMATION

READ THESE ENTIRE DIRECTIONS AND WARRANTY OF SALE. USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS, WARNINGS AND DIRECTIONS.

ANY APPLICATION OF DACTHAL SHOULD BE MADE PRIOR TO WEED SEED GERMINATION OR FOLLOWING A CULTIVATION.

For the control of grasses and some broadleaved weed species, such as smooth and hairy crabgrass, green foxtail, yellow foxtail, lovegrass, witchgrass, carpetweed, common chickweed, lambsquarters, purslane and Florida pussley, Agway Dacthal 5G Turf Herbicide is recommended at the rate of 1.80 pounds per acre, 4.0 pounds per 1,000 square feet, or 1 pound for 250 square feet. A slightly higher rate of application may be required for control of barnyardgrass, annual bluegrass, ground cherry, dodder, browntop panicum, goosegrass, Johnsongrass from seed, redroot pigweed, sesbania (*S. macrocarpa*) and nodding spurge.

When Agway Dacthal 5G Turf Herbicide is used at the recommended rate, up to 4 months weed control can be expected: Bermuda grass, Johnsongrass established from rhizomes, nutgrass, galinsoga, wild mustard, ragweed, smartweed and velvetleaf have not been effectively controlled with Agway Dacthal 5G Turf Herbicide.

Spreaders should be checked to determine whether they are applying the correct amount of Agway Dacthal 5G Turf Herbicide. The 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 before the Agway Dacthal 5G Turf Herbicide is activated. Disturbing the soil surface following application will reduce effectiveness. Rates of application can be reduced by banding.

If there is no effective rain within 3 to 4 days after Agway Dacthal 5G Turf Herbicide application, sprinkler irrigation should be used for best results.

Agway Dacthal 5G Turf Herbicide 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 Agway Dacthal 5G Turf Herbicide over this area: 1 pound treats 250 square feet (area 25 feet by 10 feet), 1 cupful treats 50 square feet.

RECOMMENDATIONS

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TURF: Apply uniformly to establish turfgrass at the rate of 200 pounds per acre 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, applied before weed germination in early spring usually provides season long control. Where spring seeding is necessary there should be a delay of approximately 60 days after the application. If reseeding is done before 60 days after application of Agway Dacthal 5G Turf Herbicide, the amount of grass sown should be increased by 50% to insure thrifty stands.

Early spring application of Agway Dacthal 5G Turf Herbicide may be applied to newly seeded turf after they exhibit

greening of newly sprouted turfgrass. Early spring application of Agway Dacthal 5G Turf Herbicide allows fall sowing of permanent grass. To control annual bluegrass and other erratic or late germinating grasses and weeds, a late summer or early fall application of 300 pounds per acre of Agway Dacthal 5G Turf Herbicide should supplement the early spring application.

The use of DACTHAL on bentgrass greens should be restricted to portions of greens infested with crabgrass and bentgreens which are known to be tolerant to DACTHAL. Application to Cohasset or Toronto Bents is not recommended. Do not use on Dichondra turf. 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.

Spreader	Setting for Normal Rate	Setting for 1/2 Normal Rate (crisscross)	Setting for 1 1/2 Normal Rate
HH 20" Drop Spreader Model #1662	4 1/2	3 1/2	5 1/4
HH Broadcast Spreader D-2711 5 ft. swath	3	2 1/2	4
Cyclone Spreader Model #B1	3	2 1/2	3 1/2
True Temper Broadcast Model D-2711	3	2 1/2	4
Lawn Beauty 24" Drop Model 2455	5	4	6
Scott's 24" Drop Model 75-3	4 1/2	3 1/2	5 1/2
Scott's 18" Drop Model 35-3	4	2 3/4	5
Sears Craftsman 24" Drop Spreader Model #45219202	2 3/4	1 3/4	3 1/4
Greenfield 20" Drop Model #205	5	4	6

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Ornamental Plantings: Apply at lining-out, late fall, or early spring at the rate of 180 lbs. Agway Dacthal 5G Turf Herbicide per acre (4 lbs. per 1,000 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 4 months or more may be expected following proper application.

Agway Dacthal 5G Turf Herbicide is specifically recommended for weed control with the following:

- | | | |
|----------------|-------------------|-------------------|
| Abelia | Locust | Snapdragon |
| Arborvitae | Magnolia | Strawflower |
| Ash | Maple | Sunflower |
| Azalea | Mock orange | Verbena |
| Barberry | Mountain laurel | Violet |
| Boxwood | Oak | Zinnia |
| Birch | Pachistima | Rhododendron |
| Camellia | Pine | Rose |
| Chestnut | Pittosporum | Russian olive |
| Cotoneaster | Podocarpus | Spiraea |
| Cottonwood | Poplar | Spruce |
| Crab apple | Privet | Sycamore |
| Cypress | Redbud | Tree peony |
| Deutzia | Fernleaf yarrow | Tulip tree |
| Dogwood | Forget-me-not | Variegated privet |
| Elaeagnus | Foxglove | Viburnum |
| Elm | Geranium | Walnut |
| Euonymus | Gold dust | Weigela |
| Fir | Golden tuft | Willow |
| Forsythia | Lavendercotton | Yew |
| Gum | Lupine | Baltic ivy |
| Hawthorn | Morningglory | Boston ivy |
| Holly | Mourning bride | English ivy |
| Hydrangea | Nasturtium | Honeysuckle |
| Jap. andromeda | Peonies | Pachysandra |
| Juniper | Pink heath | Wilson ivy |
| Lantana | Purple coneflower | Ageratum |
| Lilac | Salvia | Alyssum |

- | | | |
|-----------------|------------------|------------------|
| Aster | Coral bells | Marigold |
| Babysbreath | Cosmos | Mother-of-Thyme |
| Bellflower | Cuphea | Mourning pinks |
| Bleedingheart | Dahlia | Orpine |
| Blood leaf | Delphinium | Petunia |
| Bugloss | Evening primrose | Poker plant |
| Candel larkspur | Feverfew | Rose moss |
| Candytufts | Four-O'clock | Scarlet sage |
| Cinquefoil | Gaillardia | Stone Crop |
| Chrysanthemum | Gladiolus | Sundrops |
| Columbine | Gold. marguerite | Sweet Pea |
| Coleus | Iris | Virg. Spiderwort |
| Coreopsis | Lily | Wormwood |

DO NOT USE on the following plants:

- | | | |
|-------------|------------------|---------------|
| Bugle weed | Germander | Phlox |
| Button pink | Mesembryanthemum | Sweet William |
| Carnation | Pansy | Telanthera |
| Geum | | |

WARRANTY: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

NOTE: This pesticide is to be sold ONLY in this original, unbroken package.

EPA Reg. No. 8590-377

MANUFACTURED BY AGWAY INC., CHEMICAL DIVISION, BOX 1333, SYRACUSE, NEW YORK 13201

NET WEIGHT FIFTY POUNDS

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