

5481-487

9/3/2004

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
Ariel Rios Building
1200 Pennsylvania Ave. NW
Washington, D.C. 20460

EPA Reg. Number:
5481-487 L

Date of Issuance:
SEP - 3 2004

Term of Issuance:
Conditional

Name of Pesticide Product:
Dacthal Flowable Herbicide

NOTICE OF PESTICIDE:

— Registration
X Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1250
Newport Beach, CA 92660

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec.

3(c)(7)(A) provided that you:

1. Submit/cite all data required for the registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label revisions:

A. First aid instructions for "If on skin or clothing" must be first.

B. Add the following language to the PPE section:

Some materials that are chemical resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart.

C. You must include the following statements to the final paragraph under Application and Calibration Techniques for Sprinkler Irrigation:

"The tank containing Dacthal Flowable Herbicide must be equipped with effective mechanical agitation to keep the wettable powder in suspension. Premixing Dacthal Flowable Herbicide as instructed under ground application will insure that a uniform suspension is obtained. The injection equipment which contains the Dacthal Flowable Herbicide suspension should be connected to the discharge side of the irrigation pump or other pressurized equipment attached to the irrigation line."

Signature of Approving Official:

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Date:

SEP - 3 2004

Number

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Continued from first page.

3. Submit one (1) copy of the revised final printed label before you release the product for shipment.

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

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

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

Enclosures: Stamped copy of label

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Dacthal® Flowable Herbicide

Turf Care®

A Selective Preemergence Herbicide for Professional Lawn Care Use Only.

Contains 6.0 pounds Dacthal per gallon.

Active Ingredient:	By Wt.
DCPA (dimethyl tetrachloroterephthalate).....	54.9%
Inert Ingredients:.....	45.1%
Total	100.0%

Keep Out of Reach of Children

CAUTION

See side panel for additional precautionary statements.

NET CONTENTS: As Marked on Container

AMVAC Chemical Corporation
4100 E. Washington Boulevard
Los Angeles, CA 90023 U.S.A.

EPA Reg. No. 5481-487
EPA Est. No. 37429-GA-1

ACCEPTED
with COMMENTS
in EPA Letter Dated
SEP - 3 2004

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

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

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

FIRST AID	
If inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
Emergency Telephone Number	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Questions? Call 1-888-462-6822. In case of spills, contact Chemtrec at 1-800-424-9300	

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.~~

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- ~~Waterproof gloves~~ Chemical-resistant gloves made of any waterproof material,
- Shoes plus socks,
- A dust/mist respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

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.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR 170.240 (a)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash the outside of gloves before removing.
- Remove PPE immediately after handling this product. ~~Wash the outside of gloves before removing.~~ As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

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.

Groundwater Advisory: Tetrachloroterephthalic acid, a breakdown product of DACTHAL FLOWABLE HERBICIDE 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 of DACTHAL FLOWABLE HERBICIDE 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.

Surface Water Advisory: DCPA can contaminate surface water through spray drift. Under some conditions, DCPA may also have a high potential to contaminate surface water through runoff (via both dissolution in runoff water and adsorption to eroding soil) for several weeks post-application. Users are advised not to apply of DACTHAL FLOWABLE HERBICIDE to poorly draining or wet soils with readily visible slopes—sloping towards adjacent surface waters, frequently flooded areas, areas over-laying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and highly erodible soils.

DACTHAL® Flowable Herbicide

A Selective Preemergence Herbicide for Professional Lawn Care Use Only.

Read entire label carefully and use only as directed.

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General Information

Dacthal Flowable Herbicide is for use as a preemergence application for control of crabgrass and other annual grasses and certain broadleaf weeds on mineral soils in ornamental turf and nursery stock and as a post-emergence application for control of creeping speedwell (*Veronica filiformis*). ~~Daethal Flowable Herbicide is compatible with liquid nitrogen fertilizers commonly used by the lawn care industry.~~

The following weeds are grouped according to their susceptibility to Dacthal Flowable Herbicide applied as a preemergence treatment:

Susceptible (controlled at recommended rates): Common lambsquarters, smooth crabgrass, large crabgrass, lovegrass, carpetweed, witchgrass, purslane, Florida pusley, yellow foxtail, green foxtail, common chickweed.

Moderately Susceptible (Maximum rates required for effective control): Redroot pigweed, sandbur, dodder, barnyardgrass, goosegrass, browntop panicum, ground-cherry, annual bluegrass, johnsongrass (from seed), nodding spurge, spotted spurge and prostrate spurge.

Tolerant: Velvetleaf, common ragweed, johnsongrass established from rhizomes, mustards, jimsonweed, galinsoga, smartweed, nutsedge.

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.

DO NOT APPLY IN SUFFOLK COUNTY AND NASSAU COUNTIES, 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. 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. [Section moved to Environmental Hazards.]~~

DO NOT apply when wind speed favors drift beyond the area intended for treatment.

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. Exception: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- ~~Waterproof gloves~~ Chemical-resistant gloves made of any waterproof material, and
- Shoes plus socks

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Preparation and Application of the Spray: Dacthal Flowable Herbicide should be thoroughly mixed in the spray tank with water to provide for broadcast application of at least 20 gallons of water per acre, depending on equipment and local practices. In order to insure uniform suspension in the spray tank, Dacthal Flowable Herbicide should be added as the spray tank is filling. Adequate agitation should be maintained during filling and spraying to keep material in uniform suspension. Use nozzles suitable for applying wettable powders so that the spray can be uniformly distributed over turf or properly prepared soil surface. Any screen or strainer in spray equipment should be no finer than 50 mesh to prevent clogging. It is essential that the sprayer be properly calibrated before making applications. Standard low-pressure (30-50 psi) boom-type sprayers are recommended.

A minimum of one-fourth inch of water either as rain or irrigation is necessary to activate Dacthal Flowable Herbicide, and thereby obtain pre-emergence control of weeds specified. Normally, water must be applied within 3 to 5 days of application if sufficient rainfall does not occur. However, when surface soil is dry but subsurface soil contains enough moisture for weed seed germination, water must be applied immediately.

~~**Ornamental Turf:** Application at the rate of 7 qts. of Dacthal Flowable Herbicide in 40 to 100 gallons of water per acre (1 pt. in 3 to 7 gals./3,000 sq. ft.) gives excellent control of crabgrass and other weeds as listed on this label. One application applied in early spring before weed seed germination usually provides season long control. Crabgrass seed germination usually coincides with the time when Forsythia blossoms start to fall. 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 10 quarts of Dacthal Flowable Herbicide in 40 to 100 gallons of water per acre (1 1/2 pts. in 3 to 7 gals./3,000 sq. ft.) should supplement the early spring application. Earlier applications are required in Southern States. Consult agricultural experiment station or extension service weed specialist for date *Poa annua* seed germinates in your area and make application at least two weeks prior to this date.~~

~~Early spring application of Dacthal Flowable Herbicide 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. Such Dacthal Flowable Herbicide application gives control of crabgrass without injury to newly emerged turfgrasses. Fall sowing of permanent grasses can follow early spring applications of Dacthal Flowable Herbicide.~~

~~Where some spring seeding is necessary, there should be a delay of approximately 60 days after the application of Dacthal. This delay increases the survival of desirable grasses.~~

~~Dacthal Flowable Herbicide is not recommended for use on putting greens or on bentgrasses mowed at putting green height.~~

Do not feed treated foliage to livestock or graze treated areas.

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For control of creeping speedwell (*Veronica filiformis*), apply 2 gallons of Dacthal Flowable Herbicide in 40 to 100 gallons of water per acre as a post-emergence spray when creeping speedwell is growing vigorously. Spring or early fall applications are usually suitable, provided temperatures are between 65° and 90°F, and there is ample soil moisture. Thorough coverage is essential. Delayed control of creeping speedwell is to be expected and will be manifested first by a gradual loss of color and vigor.

Ornamentals: Dacthal Flowable Herbicide can be applied to a wide range of nursery stock at the rate of 7 to 8 quarts in 40 to 100 gallons of water per acre of area treated (1 pint in 3 to 7 gallons of water/3,000 sq. ft.). 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 application may prove beneficial for control of all germinating weeds, if made following cultivation. Weed control up to three months or more may be expected following proper application.

Dacthal Flowable Herbicide is specifically recommended for weed control with the following:

Abelia	Feverfew	Nasturtium	
Ageratum	Fir	Oak	
Alyssum	Forget-Me-Not	Orpine	•••••
Andromeda, Jap.	Forsythia	Pachistima	•••••
Arborvitae	Four-O'Clock	Pachysandra	•••••
Ash	Foxglove	Peony	•••••
Aster	Gaillardia	Petunia	•••••
Azalea	Geranium	Pine	•••••
Babysbreath	Gladiolus	Pittosporum	•••••
Barberry	Golddust	Podocarpus	•••••
Bellflower	Goldentuft	Poker Plant	•••••
Birch	Gum	Poplar	•••••
Bleedingheart	Hawthorn	Privet	•••••
Bloodleaf	Heath, Pink	Privet, variegated	•••••
Boxwood	Holly	Redbud	•••••
Bugloss	Hydrangea	Rhododendron	
Camellia	Honeysuckle	Rose	
Candytufts	Iris	Russian Olive	
Chestnut	Ivy, Baltic	Sage, Scarlet	
Chrysanthemum	Ivy, Boston	Snapdragon	
Cinquefoil	Ivy, English	Spiderwort, Va.	
Coleus	Ivy, Wilson	Spirea	
Columbine	Juniper	Spruce	
Coneflower, Purple	Lantana	Stonecrop	
Coreopsis	Larkspur, Candle	Strawflower	
Coralbells	Lavendercotton	Sundrops	
Cosmos	Lilac	Sunflower	
Cotoneaster	Lily	Sweet Pea	
Cottonwood	Locust	Sycamore	
Crabapple	Lupine	Tree Peony	
Cuphea	Magnolia	Tulip Tree	
Cypress	Maple	Viburnum	
Dahlia	Marguerite, Golden	Violet, African	
Delphinium	Marigold	Walnut	
Deutzia	Mockorange	Weigela	
Dogwood	Morningglory	Willow	
Elaeagnus	Moss, Rose	Wormwood	
Elm	Mother-of-Thyme	Yarrow, Fernleaf	
Euonymus	Mountain Laurel	Yew	
Evening Primrose	Mourning Bride	Zinnia	

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Do not use on the following plants:

Bugleweed	Germander	Sweet William
Button Pink	Mesembryanthemum	Telanthera
Carnation	Pansy	
Geum	Phlox	

Amount of DACTHAL FLOWABLE HERBIDICE to Use in Treating Small Areas

Area to be Treated*	Recommended Rate DACTHAL FLOWABLE HERBICIDE/A	Amount of DACTHAL FLOWABLE HERBICIDE to Apply
1000 sq. ft. (from 1 to 2 gallons of water should be used to spray 1000 sq. ft.)	6 to 7 qts. (heavy soil)	5 oz.
	4 to 5 qts. (medium soil)	4 oz.
	3 qts. (sandy soil)	4 oz.
250 sq. ft. (from ¼ to ½ gallon of water should be used to spray 250 sq. ft.)	6 to 7 qts. (heavy soil)	1¼ oz.
	4 to 5 qts. (medium soil)	1 oz.
	3 qts. (sandy soil)	1 oz.

NOTE: In treating small areas it is important to use care in measuring out required quantity for area to be treated, properly mixing it in water and keeping it adequately agitated during application.

*Other size areas to be treated can be calculated from the above table. For example:

To treat 5,000 sq. ft. at the 7 qts./acre rate, use 1½ pts. in 5 to 10 gallons of water.

To treat 500 sq. ft. at the 7 qts./acre rate, use 2½ oz. in ½ to 1 gallon of water.

For Use on Turf:

	To Control	When to Apply	Rate of Dacthal Flowable Herbicide	Remarks
Established Turf	Crabgrass	Early spring, before crabgrass and other spring annual weed seeds germinate.	7 qts./acre or 1 pt. in 3 to 7 gals. per 3,000 sq. ft.	Apply when Forsythia blossoms. A second application at half the recommended rate may be made 2 months after the first application if necessary.
	Annual Bluegrass (<i>Poa annua</i>)	Late summer or early fall in Northern states before weed seed germination. Consult agricultural experiment station or extension service weed specialist for date <i>Poa annua</i> germinates in your area and make application at least two weeks prior to this date.	10 qts./acre or 1½ pts. in 3 to 7 gals. per 3,000 sq. ft.	Should be used following an early spring application for crabgrass control.

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To Control	When to Apply	Rate of Dacthal Flowable Herbicide	Remarks
Creeping Speedwell (<i>Veronica filiformis</i>)	As a post-emergence spray in spring or early fall when creeping speedwell is growing vigorously, there is ample soil moisture and temperature is between 65° and 90°F.	2 gals./acre or 18 fluid ounces in 3 to 7 gals. per 3,000 sq. ft.	Apply spray to obtain thorough coverage of foliage. Delayed control of creeping speedwell, is to be expected and will be noticed first by a gradual loss of color and vigor.
Nodding, Spotted or Prostrate Spurges (<i>Euphorbia maculata, E. supina</i>)	Mid April or before seed germination of annual weeds. Repeat application in 6 to 8 weeks.	7 to 8 qts./acre or 15 to 18 ozs. in 3 to 7 gals. per 3,000 sq. ft.	Apply first application before seed germination. Repeat application at the same rate 6 to 8 weeks later. In addition to control of spotted spurge, prostrate spurge, crabgrass, control is also obtained.
Newly seeded turf	Crabgrass After new turfgrass seedings have exhibited a greening of the newly sprouted grass (about 1 to 2 inches high).	7 qts./acre or 1 pt. in 3 to 7 gals. per 3,000 sq. ft.	Allows crabgrass control without injury to the new turf.

CAUTION: After Dacthal Flowable Herbicide treatment, wait approximately 60 days before any new seeding is undertaken.

Do not use on Dichondra.

See recommendations on bentgrass before using on this species.

Application and Calibration Techniques for Sprinkler Irrigation

Apply Dacthal Flowable Herbicide only through center pivot, motorized lateral move, solid set or portable (side roll, end tow or hand move) irrigation systems. DO NOT apply this product through any other type of irrigation system.

Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not apply this product through irrigation systems connected to a public water system. "Public water system" means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

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The pesticide injection pipeline must also contain a functional, normally-closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

Always inject DACTHAL FLOWABLE HERBICIDE into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line of the suction side of the pump.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur.

Dacthal Flowable Herbicide may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

A. Center Pivot and Motorized Lateral Move Irrigation Equipment

For injection of pesticides, these continuously moving systems must use a positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are compatible with pesticides and capable of injection at pressures approximately 2-3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered. Thoroughly mix recommended amount of Dacthal Flowable Herbicide for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until Dacthal Flowable Herbicide has been cleared from last sprinkler head.

B. Solid Set and Portable (Side Roll, End Tow or Hand Move) Irrigation Equipment

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a 30 to 45-minute period. Mix desired amount of Dacthal Flowable Herbicide for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Dacthal Flowable Herbicide can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until Dacthal Flowable Herbicide has been cleared from last sprinkler head.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

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: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY, FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT, SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

~~WARNING: Manufactured with Carbon Tetrachloride, a substance which harms public health and environment by destroying ozone in upper atmosphere.~~

Dacthal[®] is a registered trademark of AMVAC Chemical Corporation.

Questions? Call 1-888-462-6822



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Los Angeles, CA 90023 U.S.A.
www.amvac-chemical.com