

700-701

1/30/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
400-469

Date of Issuance:
JAN 30 2002
JAN 30 2002

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance: Unconditional

Name of Pesticide Product:
Dimilin 25W
Mushrooms and Ornamentals

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Uniroyal Chemical Company
74 Amity Road
Bethany, CT 06524-3402

Label Changes: In labeling following its submission here that approved in accordance with this registration must be submitted to and approved 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.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you make the following changes to the label:

- Bold or highlight Inert Ingredients.
- Add total percentage of 100% on the front panel.

A stamped copy is inclosed for your records. Please submit two (2) copies of your final printed labeling fore you release the product for shipment.

Continued on Page 2

Signature of Approving Official:

Deborah McCall, Acting Chief
Insecticide-Rodenticide Branch
Registration Division (7505C)

Date:

1-30-02

If you have any questions or comments about this letter, please contact Ms. Rita Kumar at 703-308-8291.

Sincerely,



Deborah McCall, Acting Chief
Insecticide Rodenticide Branch
Registration Division (7505C)

Enclosure

3 8 6

Dimilin® 25W

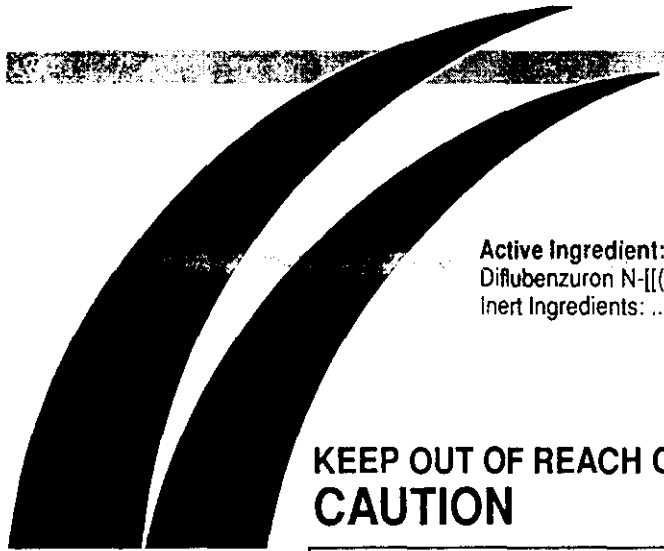
MUSHROOMS AND ORNAMENTALS

INSECT GROWTH REGULATOR
WETTABLE POWDER

FOR USE ON MUSHROOMS, ORNAMENTALS IN ENCLOSED
STRUCTURES AND NON-COMMERCIAL ORNAMENTAL FISH PONDS

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JAN 30 2002
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
469-469



Active Ingredient: (% by weight)
Diflubenzuron N-[[[4-Chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide 25%
Inert Ingredients: 75%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Net contents:
5 pounds

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
UNIROYAL CHEMICAL EMERGENCY PHONE	203-723-3670
SAFETY DATA AND INFORMATION	203-573-3303
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

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

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants; shoes plus socks; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, PVC or viton when mixing and loading and also when using hand-held equipment.

USER SAFETY REQUIREMENTS

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 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.

USER SAFETY RECOMMENDATIONS

Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Users should 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

This pesticide is toxic to aquatic invertebrates. For terrestrial uses (other than on forest canopy to control forest pests), do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic invertebrate organisms in neighboring areas. Do not contaminate water when cleaning of equipment or disposing of equipment washwaters.



Dimilin® is a
Registered Trademark
Uniroyal Chemical
Company, Inc.
Middlebury, CT 06749
EPA REG. NO. 400-469
EPA EST. NO.
016

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 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
- chemical-resistant gloves made of any waterproof material
- shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE—Store in a dry location.

PESTICIDE DISPOSAL—Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL—Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INSTRUCTIONS AND INFORMATION

USE DIRECTIONS FOR CHEMIGATION WITHIN ENCLOSED STRUCTURES:

In addition to the above use rates and recommendations, the following precautions must be observed when using this product in any type of irrigation system:

Apply this product only through the following systems:

- 1) Overhead sprinklers such as impact or micro-sprinklers,
- 2) Mist-type irrigation such as fog systems,
- 3) Hand-held calibrated irrigation equipment such as the hand-held wand with injector.

Do not apply this product through any other type of irrigation system. Crop injury or lack of effectiveness, or illegal pesticide residues in the

crop can result from nonuniform distribution of treated water.

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

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

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.

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.

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.

SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

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 of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water systems should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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

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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where the 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.

GENERAL INFORMATION

Because of its mode of action, which results in a disruption of the normal molting process of the insect larvae, the action of DIMILIN is slow and several days may elapse before the full effect is seen.

Because of its specificity, DIMILIN has shown little or no effect on bees or other beneficial insects and is therefore an excellent product for use in IPM programs.

Mixing Instructions: Fill the mixing tank with half the required amount of water. Then add DIMILIN 25W with agitation running to insure proper mixing and suspension of product. Fill the tank with the remaining amount of required water.

The mixture of DIMILIN 25W and water should be continuously agitated to assure uniform application.

Compatibility: For broad spectrum insect control, DIMILIN 25W can be tank mixed with other insecticide products. However, do not mix with other products unless prior use has proven compatibility.

GENERAL PRECAUTIONS AND RESTRICTIONS

Do not apply this product to bodies of water where swimming is likely. Difiubenzuron treated spend compost should not be stored or applied to areas immediately adjacent to water bodies (including ponds, streams, lakes and wetlands).

PLANT TOLERANCE:

Neither the manufacturer nor the seller has determined whether or not DIMILIN 25W can be used safely on all ornamental plants. Prior to any large scale application on such plants, the user must determine the safety of DIMILIN 25W by testing a small number of the type of plants to be treated at the recommended rates and under the desired growing conditions. Observe the treated plants for symptoms of phytotoxicity, which may occur as interveinal chlorosis and/or marginal necrosis on sensitive plants. This may take up to three months for applications made to the soil. The user assumes all risks arising out of application to untested plants.

APPLICATION INSTRUCTIONS

MUSHROOMS

SCIARID FLIES: DIMILIN 25W will control larvae of sciarid flies in mushroom growing facilities. DIMILIN 25W in the mushroom growing media will prevent the development of the larval stages of the sciarids. This effectively stops reproduction in the growing medium and prevents damage to the mushrooms. Because of its unique type of activity do not expect immediate reductions in adult fly populations. DIMILIN 25W does not directly affect adults but kills the larvae in the growing medium.

Compost treatment: Apply 2.4 to 4 pounds of DIMILIN 25W per 1000 square feet to the compost between filling and spawning time by thorough incorporation such as with a spawning machine. This is equivalent to 30 to 50 ppm active ingredient assuming a compost wet weight of 40 pounds per cubic foot.

Casing treatment: Apply 13.5 ounces of DIMILIN 25W in a minimum volume of 40 gallons of water per 1000 square feet at the time of casing. This is equivalent to a rate of 30 ppm active ingredient assuming a casing weight of 6700 pounds per 1000 square feet.

ORNAMENTALS

DIMILIN 25W provides an effective means for controlling a variety of insect pests found in and around ornamental plants. DIMILIN 25W can be used in repeat applications as a soil treatment or foliar spray in enclosed commercial structures only, such as greenhouses, shadehouses, and interiorscapes.

SOIL INHABITING INSECTS - FUNGUS GNATS, SHOREFLIES: For control of certain soil inhabiting insects such as fungus gnats and shoreflies, DIMILIN 25W can be applied as a soil drench or as a coarse spray to the soil surface through conventional equipment or through chemigation. When applied according to the recommendations below, DIMILIN will provide control for period of 30 to 60 days.

Repeat applications can be made at 4 to 8 weeks intervals as necessary to maintain control, but do not make more than four applications per crop. For optimum control throughout the production area and to prevent re-infestation of crops, it is recommended that breeding areas under benches and other non-crop areas be treated at the same time that the crop is treated.

Attention: Exceeding label rates, volumes or number of applications of DIMILIN 25W can cause serious foliar injury to crops, particularly to poinsettias, hibiscus and Reiger begonia. Do not apply DIMILIN 25W to poinsettias, hibiscus and Reiger begonia. No sensitivity has been observed with other bedding or pot crops including plugs and liners, however tests should be conducted to insure safety to any crop before extensive use.

NOTE: For optimum results, applications should be made to moist potting media.

Do not re-use potting media which has been treated with DIMILIN 25W. Do not apply to plants grown on capillary water mats.

For bed, bench and container grown plants:

Coarse Soil Spray (Sprenc) Applications

For applications in ornamental production, DIMILIN 25W should be applied as a coarse spray or "sprenc" to the soil surface. Mix 2 ozs. (2 bags) of DIMILIN 25W in 100 gals. of water and apply to the soil surface at a volume of 1 to 3 gallons of final solution per 100 sq. ft or approximately 1/4 to 3/4 fl. oz. per 6 inch pot.

For soil depths of less than 3 inches, e.g. plug trays, packs and flats, do not exceed a volume of 1 gallon per 100 sq.ft.

Higher Volume Drench Applications to Individual Containers

For drench applications to individual containers, DIMILIN 25W can be applied in water volumes higher than those recommended for coarse soil spray / sprenc applications as long as the higher volumes can be reliably metered into each pot and evenly distributed over the soil surface to insure uniform treatment. Mix 1.0 oz. (1 bag) of DIMILIN 25W in 200 gals. of water and apply at the volumes recommended below:

Pot Diameter (inches)	Drench Volume (fl.oz./pot)	No. Pots Treated With 100 gals.
4	2	6400
5	4	3200
6	6	2130
8	10	1280
10	14	910
12	20	640

NOTE: The volumes recommended in the table above are based on average drench volumes used for application of commercial fungicides in the production of greenhouse ornamental crops. Based on these averages, each 100 gallon mix of DIMILIN 25W should treat the specified number of pots listed in the table above.

For soil drench applications which use a final volume either greater or less than those specified above, the user must alter the concentration of DIMILIN 25W in water in order to maintain the same amount of active ingredient applied to the given surface area of media. The table below outlines dilution rates for applications using alternate drench volumes:

Pot Diameter (inches)	GALLONS OF WATER REQUIRED PER 2 OZ. OF DIMILIN 25W									
	Drench volume (fl.oz./pot)									
	2	3	4	5	6	7	8	9	10	
4	200	300	400	500	600	700				
5	100	150	200	250	300	350	400	450	500	
6		100	133	167	200	234	266	300	334	
8				100	120	140	160	180	200	
10						100	114	129	143	

For infestations to breeding areas under benches and in other non-crop areas: Mix 4 to 8 ozs. DIMILIN 25W in 100 gals of water and apply at rate of 10 - 30 gals. per 1000 sq.ft. of area. Repeat applications at 4 to 8 week intervals to maintain control.

FOLIAR FEEDING INSECTS - ARMYWORMS, LEAFMINERS, WHITEFLIES: For control of certain foliar feeding insects such as armyworms and lepidopterous leafminers, and suppression of

whiteflies, mix 4 to 8 ounces of DIMILIN 25W in 100 gallons of water and apply as a spray to the foliage through conventional spray equipment. The recommended spray volume is one gallon per 200 sq. ft. of bench area.

DIMILIN has been found to aid in the control of whiteflies when used in combination or in rotation with other effective insecticides in an IPM program. For optimum suppression of whitefly, spray applications should thoroughly wet the leaf undersides. Begin applications at first sign of insects and repeat applications at 7 day intervals as needed to provide suppression on new foliage growth.

ORNAMENTAL PONDS AND TANKS, AQUATIC GARDENS, AQUARIUMS

Not for use in commercial fish production ponds.

ANCHOR WORMS (*Lernaea cyprinacea*): For control of anchor worms on fish in ornamental ponds, tanks, aquatic gardens and aquariums.

For applications to known volumes of water, apply DIMILIN 25W as follows:

Water Volume Gallons	Required amount of DIMILIN 25W	
	Grams	Teaspoons
500	0.5	1/3
1000	1.0	2/3
2000	2.0	1 1/3
4000	4.0	2 2/3
8000	8.0	5 1/3
16000	16.0	10 2/3

Mix the required amount in sufficient water to enable uniform application to the water surface. Application should be made at first sign of infestation. To maintain season long control, subsequent applications may be made at 14 to 60 day intervals.

Areas treated with DIMILIN 25W shall contain ornamental fish only. Do not apply to areas containing fish intended for human consumption. Applications to water is allowable only to the above specified areas where all water is contained in a completely "closed system". Treated waters must be contained for a period of 14 days after treatment before being disposed of or released from the ponds or tanks.

DIMILIN 25W is intended for control of only the unattached form of the anchor worm.

IMPORTANT NOTICE—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label 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.

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