

Reg # 37100-54

PM-17

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 37100-54 DATE OF ISSUANCE OCT 09 1990 TERM OF ISSUANCE NAME OF PESTICIDE PRODUCT Dimilin 4L for Use on Forests
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) Duphar B.V. c/o John Kennedy Consultants, Inc. 9101 Cherry Lane, Suite 113 Laurel, MD 20708-1133 246465	
NOTE: Changes in labeling formula 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 U.S. EPA registration number.	
<p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this 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.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none">1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.2. Add the phrase "EPA Registration No. 37100-54" to your label before you release the product for shipment.3. Before releasing this product for shipment submit a revised Confidential Statement of Formula showing the total batch weight (Box 17).4. Submit storage stability data for this formulation within 15 months of the date stamped on this Registration Notice. Report initial analysis and analyses at 1 year storage at ambient temperature. Results from three batches should be averaged. Specify the temperature conditions during storage and the container used in this study. <p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>	
SIGNATURE OF APPROVING OFFICIAL <i>Lee R. ...</i>	DATE 9/20/90

EPA Form 8570-6 (Rev. 5-76)

PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

58840:I:CR-30;Schroeder:L17-19;KENC0:08/17/90;de:VO;EK:DD

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5. Provide data showing residual on tree leaves from spring until leaf drop compared to the standard 25W formulation.

6. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed 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 label is enclosed for your records.



Phil Hutton
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**

CAUTION

Avoid contamination of
feed and foodstuffs.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to crab, shrimp and other aquatic invertebrates. Do not apply directly to water or wetlands, (swamps, bogs, marshes, and potholes), except under the forest canopy when aerially applied to control forest pests. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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 through any type of irrigation system.

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.

RESTRICTED USE PESTICIDE

Due to toxicity to aquatic invertebrate animals.
For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified applicator's certification.

DIMILIN® 4L

COMPOSITION

Active Ingredient: (% by weight)	
N-[[[(4-Chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide*	40.4 %
Inert Ingredients:	59.6 %
TOTAL:	100.0 %

*Diflubenzuron: U.S. Patent Numbers 3,748,356;
3,933,908; 3,989,842; 4,013,717; 4,110,469;
4,399,152 and other patents pending.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See left side panel for additional precautionary statement.

DUPHAR B.V.
Crop Protection Division
C.J. van Houtenlaan 36
1381 CP WEESP, HOLLAND

DIMILIN® is a Registered Trademark of Duphar B.V. Weesp, Holland

EPA Reg. No. 37100

EPA Est. No.

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**DIRECTIONS FOR USE
FORESTS, TREES AND SHRUBS**

DIMILIN 4L will control larvae of gypsy moth, forest tent caterpillar, Nantucket pine tipmoth, and tussock moth in forests, trees and shrubs.

Action of DIMILIN 4L is slow because it disrupts the normal molting process of insect larvae. In most instances, several days may be needed before full effect can be seen. DIMILIN 4L applied at label rates does not affect b or other beneficial insects.

DIMILIN 4L may be used to protect trees and shrubs such as in:

- Forests
- Residential, municipal and shade tree areas
- Recreational areas such as campgrounds, golf courses, parks, parkways
- Ornamental, shade tree, and forest nurseries
- Forest plantings
- Shelterbelts
- Rights of way and other easements

Insect	Rate DIMILIN 4L Per Acre	Timing	Spray Volume Per acre in Gallons ^{1,2}		
			Aerial	Air blast	Ground Hydraulic
Gypsy moth ³	0.5-2 fl.oz.	Early instar (1st, 2nd or 3rd) preferred, but prior to full leaf expansion	0.5-2.5	5-20	100-400
Forest Tent Caterpillar	1-4 fl.oz.	Early instar (1st, 2nd or 3rd) preferred, but prior to full leaf expansion	1.0-2.0	5-20	100-400
Nantucket Pine Tip moth	2 fl.oz.	Early instar or when 75% of pupal cases are empty	2.0-5.0	5-30 ⁴	100-400
Tussock moth	2-4 fl.oz.	Early instar	1.0-2.0	5-20	100-400

1. Uniform coverage of the foliage is essential. The higher volumes are recommended for mature or very large or dense tree stands or high population pressures. The higher water volumes in aerial application should be used when conditions of application are less than ideal and/or after larvae have reached 3rd instar.
2. Continuous agitation during mixing and application is required to maintain suspension of DIMILIN 4L. Do not use equipment without adequate agitation.
3. Gypsy Moth - To provide maximum protection from defoliation and reduce egg mass deposition, treatment can begin at 5 to 20% leaf expansion provided egg hatch is underway. Because of its slowness of action, application later than 3rd instar may result in reduced foliage protection. Higher rates of DIMILIN 4L should be used if larvae have reached 3rd or 4th instar.
4. Use 5 to 15 gallons per acre if trees are less than 3.5 feet tall. Use 15 to 30 gallons per acre for taller trees.
Application should be made at peak emergence which can be determined by twig sampling, pheromone traps, degree days, etc.

Do not make more than one application per year. In campground or other recreational areas, application should be made during period of minimal use. Notify persons using recreational facilities or living in the area to be sprayed before application of this or any other pesticide.

QUARANTINE PROGRAMS (Gypsy moth)

For use in Quarantine programs conducted by State Cooperators as well as USDA personnel of both Plant Protection and Quarantine, APHIS and the U.S. Forest Service. For use in eradication of isolated infestations, make two applications of 0.5 -1 fl.oz. of DIMILIN 4L per acre 7-14 days apart. For use in quarantine programs involving the movement of nursery stock from infested to non-infested areas, make two applications of 0.5-1 fl.oz. of DIMILIN 4L per acre 7-14 days apart on nursery stock.

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 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.