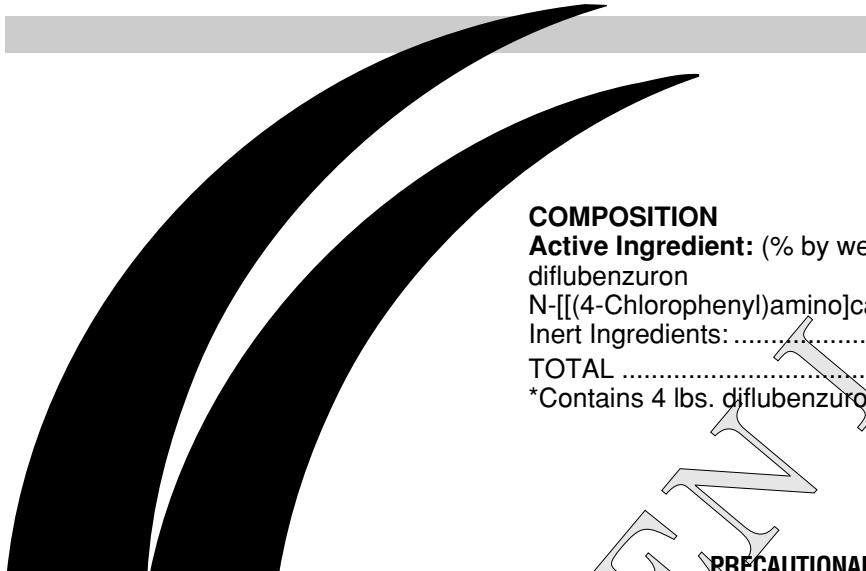


## RESTRICTED USE PESTICIDE

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



Net contents:

### COMPOSITION

**Active Ingredient:** (% by weight)

diflubenzuron

N-[[[4-Chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide\* ..... 40.4%

Inert Ingredients: ..... 59.6%

TOTAL ..... 100.0%

\*Contains 4 lbs. diflubenzuron per gallon.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Avoid contact with skin.

#### PERSONAL PROTECTIVE EQUIPMENT

**Applicators and Other Handlers Must Wear:** A long-sleeved shirt and long pants; shoes plus socks.

Follow manufacturer's instructions for cleaning and 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:

- 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.

#### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to crab, shrimp and other aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark, 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.

**UNIROYAL  
CHEMICAL**

Uniroyal Chemical  
Company, Inc.  
Middlebury, CT 06749  
EPA REG. NO. 400-474  
EPA EST. NO.  
013WPS/011398

### 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.

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 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.

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
- waterproof gloves
- shoes plus socks.

DIMILIN 4L is an insect growth regulator which is effective on a wide variety of insect pests, predominately from the families Lepidoptera and Diptera. 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 does not effect bees or other beneficial insects when applied at labeled rates and is therefore an excellent product for use in IPM programs.

**Mixing Instructions:** Fill the spray tank with half the required amount of water. Begin agitation and add the required amount of DIMILIN 4L. Continue agitation while adding the remainder of the water. Agitation during application is recommended to maintain a uniform distribution of

DIMILIN 4L in the water. Do not use equipment without adequate agitation.

### TREES AND SHRUBS

DIMILIN 4L is effective in controlling a variety of insect pests found on trees and shrubs in areas such as:

- Public and private forests
- Forest plantings and forest nurseries
- Christmas tree and conifer nurseries
- Residential and municipal shade tree areas and landscape plantings
- Recreational areas such as campgrounds, golf courses, parks, parkways\*
- Shelterbelts
- Rights of way and other easements

\*In campground or other recreational areas applications should be made during periods of minimal use. Notify persons using recreational facilities or living in the area to be sprayed before application of this or any other pesticide.

NOT FOR USE IN GREENHOUSES, SHADEHOUSES, OR INTERIORSCAPES.

**Application Notes:** Determining the correct volume of water to apply is highly dependent on the tree height, canopy size and application type.

*For ground applications,* use an adequate amount of water to obtain thorough coverage to the foliage without excessive runoff. As a general guideline, use the recommended per acre dosage of DIMILIN 4L in the following amounts of water.

- High volume hydraulic sprayer 100 - 400 gallons per acre
- Mist blower, air blast sprayer 5 - 30 gallons per acre

*For aerial applications,* spray volumes of 1/2 to 5 gallons per acre are recommended.

Uniform coverage of the foliage is essential for optimum performance. The higher water volumes are recommended when application conditions are less than ideal, for very large or dense tree stands, for high population pressures or when insects have reached older instar stages.

**Use Rates and Recommendations:** The following table provides use rates and recommendations for optimum performance of DIMILIN 4L. In most cases, applications should be made when insect larvae are in the early instar stages. Applications made to late instar larvae may result in reduced foliage protection and the higher rates should be used.

INSECT PEST	RATE FL. OZS. / ACRE	MAX. / YEAR FL. OZS. / ACRE	APPLICATION TIMING / NOTES
Armyworms	2 - 4	4	Early instar
Bagworms	1 - 2	2	Early instars in mid to late June
Browntail Moth	1 - 2	2	When overwintering 2nd instars become active in late April / early May.
Budworms	2 - 4	4	4th instar
Cankerworms	2 - 4	4	Early instars
Gypsy Moths	0.5 - 2	2	Early instar and prior to full leaf expansion (5 - 20%)
Hemlock Looper	2 - 4	4	Early instars
Leafminers (Lepidopterous)	-	8	Apply at a rate of 4 - 8 fl. ozs. in 100 gallons of water when oviposition begins on new growth flushes.
Oakworms	2 - 4	4	Early instars in August
Pandora Moth	2 - 4	4	After egg hatch in the fall or to early instars in the spring.
Pine Shoot Moth	2 - 4	4	Early instars
Pine Tip Moths	1 - 2	2	Early second generation instars or when 75% of first generation pupal cases are empty. Peak emergence can be determined by twig sampling, pheromone traps, degree days, etc.
Sawflies	2 - 4	4	Early instars
Spanworms	2 - 4	4	Early instars

<b>INSECT PEST</b>	<b>RATE FL. OZS. / ACRE</b>	<b>MAX. / YEAR FL. OZS. / ACRE</b>	<b>APPLICATION TIMING / NOTES</b>
Tent Caterpillars	1 - 4	4	Early instar and prior to full leaf expansion.
Tussock Moths	2 - 4	4	Early instars
Webworms	1 - 2	2	Early instars
Weevils (Diaprepes spp.)	-	8	Apply at a rate of 4 - 8 fl. ozs. in 100 gallons of water when adult weevils are present and/or to newly expanded growth. Will not control adult weevils but will reduce reproductive potential of adult weevils, resulting in decreased egg hatch.
Weevils (Terminal) of pine and spruce (Pissodes spp.)	2 - 4	4	Treat adults in early spring after snow melt and prior to egg deposition. Aerial applications not recommended. Thoroughly wet the leader and upper whorls of branches. Add an emulsifiable paraffinic crop oil at the rate of 1 to 2 gallons per acre.
Zimmerman Moth	2 - 4	4	Early instars in late summer prior to construction of hibernaculum.

### 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 to 1 fluid ounces 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 1 to 2 ounces of DIMILIN 4L per acre 7 - 14 days apart on nursery stock.

### 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**—Triple rinse or equivalent. Then 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.

### EMERGENCY ASSISTANCE:

**UNIROYAL CHEMICAL EMERGENCY PHONE** 203-723-3670  
**SAFETY DATA AND INFORMATION** 203-573-3303  
**TRANSPORTATION EMERGENCY (CHEMTREC)** 800-424-9300

**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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