

Reg # 275-48

PM-18

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

Marvin H. Alphin  
ABBOTT LABORATORIES  
CHEMICAL AND AGRICULTURAL PRODUCTS DIV.  
1401 SHERIDAN ROAD  
NORTH CHICAGO, IL 60064

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/12/93 in Response to PR Notice 93-7  
EPA REG. NO. 275-48  
DIPEL 6L

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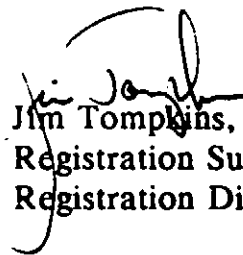
Submit the final printed labeling via the U.S. Postal Service to:

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

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DIPEL® 6L  
EMULSIFIABLE SUSPENSION  
BIOLOGICAL INSECTICIDE

**ACTIVE INGREDIENT:** *Bacillus thuringiensis*, var. *kurstaki*,  
Lepidopteran Active Toxin.....2.6%  
**INERT INGREDIENTS**.....97.4%  
**TOTAL**.....100.00%

**POTENCY:** 13,200 International Units of Potency per mg  
(48 Billion International Units per gallon)

Potency units should not be used to adjust use rates beyond those specified in the  
Directions for Use Section.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if  
irritation persists.

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation  
persists.

Chemical and Agricultural Products Division  
Abbott Laboratories  
North Chicago, IL 60064

EPA Reg. No. 275-48  
EPA Est. No. 33762-IA-1

Net Contents:

DiPel 6L.epa  
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07-08-93

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

FEB 24 1994

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

275-48

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## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Avoid contact with skin, eyes or clothing. ~~In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.~~

### Personal Protective Equipment

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate, or nitrile rubber, or neoprene rubber or viton.
- Shoes plus socks.

### User Safety Recommendations

Users should:

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

### ENVIRONMENTAL HAZARDS

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. 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 (WPS) Part 170. This standard contains requirements for greenhouses and nurseries, and other structures that contain restricted entry areas. It also contains 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 intervals. 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 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 such as barrier laminate or nitrile rubber or neoprene rubber or viton.
- Shoes plus socks.

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### **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 treated areas without protective clothing until sprays have dried.

### **STORAGE AND DISPOSAL**

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

#### **STORAGE**

Keep containers tightly closed when not in use. Do not store at temperature below 0°F or above 90°F. Roll or shake the drum before dispensing.

#### **PESTICIDE DISPOSAL**

Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water when disposing of equipment washwaters.

#### **CONTAINER DISPOSAL**

Triple rinse (or equivalent), then puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## **APPLICATION DIRECTIONS FOREST, TREES AND SHRUBS**

~~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.**

DiPel 6L is a highly selective insecticide for use against listed caterpillars (larvae) of lepidopterous insects. Close scouting and early attention to infestations is highly recommended. Larvae must eat deposits of DiPel 6L to be affected. Always follow these directions:

- \* Treat when larvae are young (early instars) before extensive damage has occurred.
- \* Larvae must be actively feeding on treated, exposed plant parts.
- \* Thorough spray coverage is needed to provide a uniform deposit of DiPel 6L at the site of larval feeding.
- \* Under heavy pest population pressure, use the higher label rates and/or consider a second application.
- \* If attempting to control a pest with a single spray, make the treatment when egg hatch is essentially complete, but before extensive crop damage occurs.
- \* An approved spreader-sticker may be added to diluted tank mixes to improve weather-fastness of the spray deposits. Do not add sticker to the undiluted product.

After eating a lethal dose of DiPel 6L, larvae stop feeding within the hour and will die within several days. Dying larvae move slowly, discolor, then shrivel, blacken and die.

DiPel 6L may be applied in conventional ground or aerial equipment with quantities of water sufficient to provide thorough coverage of infested plant parts. The amount of water needed per acre will depend on weather, spray equipment and plant canopy type. **DiPel 6L should always be mixed with at least an equal amount of water for diluted applications.** Fill the mix tank or plane hopper with the desired quantity of water excluding the anticipated volume of rinse water from the containers. Start the

mechanical or hydraulic agitation to provide moderate circulation before adding DiPel 6L. Add the desired volume of DiPel 6L to the tank or plane hooper and continue agitation. The add rinsate from the original container. Mild agitation is sufficient to maintain the mixture in suspension during loading and spraying. Do not mix more DiPel 6L than can be used in a 144-hour period.

DiPel 6L can also be applied undiluted from aircraft for control of Spruce Budworms, Hemlock Looper, Jack Pine Budworm and Gypsy Moth. It is recommended that rotary or other atomizers be used to provide droplet Volume Mean Diameters (VMD) or 20-80 microns for needle conifers and 50-150 microns for deciduous hardwoods.

**CAUTION:** Rinse and flush spray equipment thoroughly following each use. Use oil solvent for flushing and rinsing undiluted DiPel 6L.

DiPel 6L 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, and parkways
- Shelterbelts, right of ways and other easements



DIPEL 6L FOR TREES AND SHRUBS

| CROP                                       | PEST                          | OZ./100 GAL./A* (GROUND EQUIPMENT) | OZ./ACRE (AERIAL** APPLICATION) | BIU'S/A *** |
|--|-------------------------------|------------------------------------|---------------------------------|-------------|
| Forest, shade, Sugar Maple, Trees & Shrubs | Bagworm                       | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Blackheaded Budworm           | 21 to 43                           | 21 to 54                        | 8 to 16     |
|  | Browntail Moth                | 21 to 80                           | 21 to 80                        | 8 to 30     |
|  | California Oakworm            | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Douglas Fir Tussock Moth      | 21 to 80                           | 21 to 80                        | 8 to 30     |
|  | Eastern Tent Caterpillar      | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Elm Spanworm                  | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Fall Webworm                  | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Forest Tent Caterpillar       | 21 to 43                           | 21 to 43                        | 8 to 16     |
|  | Fruittree Leafroller          | 11 to 21                           | -                               | 4 to 8      |
|  | Green Striped Maple Worm      | 21 to 43                           | 21 to 32                        | 8 to 16     |
|  | Gypsy Moth                    | 21 to 107                          | 21 to 107                       | 8 to 40     |
|  | Jack Pine Budworm             | 21 to 43                           | 21 to 43                        | 8 to 16     |
|  | Mimosa Webworm                | 11 to 21                           | -                               | 4 to 8      |
|  | Oak Leaf-tier                 | 21 to 43                           | 21 to 43                        | 8 to 16     |
|  | Pine Butterfly                | 21 to 43                           | 21 to 43                        | 8 to 16     |
|  | Redhumped Caterpillar         | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Saddleback Caterpillar        | 11 to 43                           | -                               | 4 to 16     |
|  | Saddled Prominent Caterpillar | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Spring & Fall Cankerworm      | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Spruce Budworm <sup>1</sup>   | 11 to 80                           | 11 to 80                        | 4 to 30     |
|  | Western Tussock Moth          | 11 to 43                           | 11 to 43                        | 4 to 16     |
|  | Hemlock Looper                | 32 to 64                           | 32 to 64                        | 12 to 24    |
|  | Eastern Pine Looper           | 32 to 64                           | 32 to 64                        | 12 to 24    |
|  | Leafrollers                   | 21 to 43                           | 21 to 43                        | 8 to 16     |
|  | Buck Moth                     | 21 to 107                          | 21 to 107                       | 8 to 40     |
|  | Oak Skeletonizer              | 21 to 43                           | 21 to 43                        | 8 to 16     |
|  | Tortrix                       | 21 to 43                           | 21 to 43                        | 8 to 16     |

\* Water dilution rate for hydraulic sprayer may be varied depending on coverage. For mist blowers, mix the applicable amount (oz.) in up to 10 gallons of water.

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**\*\* For aerial application, use in up to 10 gallons of water depending on type and density of trees. For best results spray systems which deliver droplet VMD of 150 microns or less should be used. DiPel 6L should always be mixed with at least an equal amount of water for diluted applications. Note: For Hemlock Looper and Eastern Pine Looper use 1-2 applications, undiluted, beginning at peak first instar. When applying two applications, apply each application at a recommended rate of 32 ounces/A. First application is applied at peak first instar and second application is at second instar. For the high rate, i.e. 43 ounces/A, apply a single application only at peak first instar.**

DiPel 6L may be sprayed undiluted for the control of Spruce Budworms, Jack Pine Budworm and Gypsy Moth.

**\*\*\* Billion International Units per acre.**

<sup>1</sup> Use rates greater than 21 ounces in Northern states for heavy populations.

#### **NOTICE TO USER**

Seller makes no warranty, express or implied, or merchantability, fitness or otherwise concerning use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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