

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
275-67

DATE OF ISSUANCE
AUG 20 1986

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT
DIPFL® 8AF (*Bacillus thuringiensis*,
Var. *Kurstaki*, 14,500 IU/mg)
Aqueous Flowable

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Abbott Laboratories
Chemical and Agricultural Products Division
14th Street and Sheridan Road
North Chicago, IL 60064

W.H.

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.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or 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. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 275-67."
 - b. Storage Stability - the formulated product must be analyzed for its active ingredient at time zero and during a year of storage.
3. 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.

Continued on page 2

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

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.

for *AE Castillo*
Timothy A. Gardner
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

**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.

Beneficial Insects
Honeybees foraging treated areas are not harmed by Dipel 8 AF use.
Dipel 8 AF does not interrupt the activities of beneficial and predaceous arthropods in pest management programs.

Directions for Use
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Refer to Package Enclosure for crops, rates and general directions.

STORAGE AND DISPOSAL

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

STORAGE: Keep containers lightly closed when not in use. All temperatures less than 0°F and greater than 100°F, DIPEL 8 AF should be stored under cover. AF

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).

NOTICE TO USER

Seller makes no warranty, express or implied, of 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.

Lot No. _____
E.P.A. Registration No. 275-
E.P.A. Est. No. 33782-1A-1



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

Lot No. _____
01-0000-2/R3

DIPEL 8 AF
WORM KILLER

Aqueous
BIOLOGICAL
Active Ingre
Bacillus
kurstaki,
of Potenc
Internatio
Inert Ingr

KEEP OUT

NET CONTENTS: BULK TANK CAR/TRUCK

DIPEL 8AF
Worm Killer
AQUEOUS FLOWABLE
BIOLOGICAL INSECTICIDE

Active Ingredient:

Bacillus thuringiensis, var. kurstaki, 14,500
International Units of Potency per mg (64 Billion
International Units per gallon) 2.9%
Inert Ingredients 97.1%

KEEP OUT OF REACH OF CHILDREN
CAUTION

E.P.A. Registration No. 275-
E.P.A. Est. No. 33762-IA-1

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.

BENEFICIAL INSECTS

Honeybees foraging treated areas are not harmed by DIPEL 8AF use.
DIPEL 8AF does not interrupt the activities of beneficial and predacious arthropods in pest management programs.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

See container label.

Days to harvest: There are no restrictions on applying DIPEL 8AF up to the time of harvest.

275-61
DIRECTIONS FOR USE

DIPEL 8AF 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 8AF to be affected. Always follow these directions:

- o Treat when larvae are young (early instars) before extensive damage has occurred.
- o Larvae must be actively feeding on treated, exposed plant parts.
- o Thorough spray coverage is needed to provide a uniform deposit of DIPEL 8AF at the site of larval feeding.
- o Under heavy pest population pressure, use the higher label rates and/or raise gallonage to improve spray coverage.
- o 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.
- o If rain is anticipated, a spreader-sticker which has been approved for use on growing and harvested crops may be added to improve weather-fastness of the spray deposits.

After eating a lethal dose of DIPEL 8AF, larvae stop feeding within the hour and will die within several days. Dying larvae move slowly, discolor, then shrivel, blacken and die.

DIPEL 8AF 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 local experience. Fill the mix tank or plane hopper with the desired quantity of water. Start the mechanical or hydraulic agitation to provide moderate circulation before adding DIPEL 8AF. If a sticker is to be used, always add the sticker to the water prior to the addition of DIPEL 8AF. Add the desired volume of DIPEL 8AF to the tank or plane hopper and continue circulation. Include rinse water from containers. Maintain the suspension while loading and spraying. Do not mix more DIPEL 8AF than can be used in a 144-hour period. CAUTION: Rinse and flush spray equipment following each use.

DIPEL 8AF for Trees and Shrubs

Crop	Pest	Pints/100 Gallons* (Ground Equipment)	Pints/Acre (Aerial** Application)
Forest, Shade, Sugar Maple Trees and Shrubs	Gypsy Moth	1/2 to 2-1/2	1 to 2-1/2
	Browntail Moth	1/2 to 2-1/2	1 to 2-1/2
	Bagworm	1/2 to 1	1/2 to 1
	Redhumped Caterpillar	1/4 to 1/2	1/4 to 1/2
	Spring & Fall Cankerworm	1/4 to 1/2	1/4 to 1/2
	Fall Webworm	1/2	1/2
	Elm Spanworm	1/2 to 1	1/2 to 1
	Tent Caterpillars	1/4 to 1/2	1/2 to 1
	California Oakworm	1/4 to 1/2	1/4 to 1/2
	Pine Butterfly	1	1
	Spruce Budworms ¹	1 to 2-1/2	1 to 2-1/2
	Saddled Prominent Caterpillar	1/2 to 1	1/2 to 1
	Douglas Fir Tussock Moth	1	1
	Western Tussock Moth	1/2 to 1	--
	Fruitree Leafroller	1/2 to 1	--
	Blackheaded Budworm	1	--
	Mimosa Webworm	1/2 to 1	--
	Jack Pine Budworm	1/2 to 1	3/4 to 2
Saddleback Caterpillar	1/2 to 1	--	

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

**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 size of 200 microns or less should be used.

¹Use rates greater than 1 pint in Northern states for heavy populations. With proper application and atomization equipment, DIPEL 8AF may be sprayed undiluted for the control of spruce budworm.

NOTICE TO USER

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List

Printed in U.S.A.