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BEST DOCUMENT AVAILABLE

# dipel 8L

WORM KILLER

EMULSIFIABLE SUSPENSION  
BIOLOGICAL INSECTICIDE

**Active ingredient:**  
Bacillus thuringiensis, var. kurstaki,  
17,600 International Units of Potency per  
mg (64 Billion International Units per  
gallon) ..... 3.5%  
Inert Ingredients ..... 96.5%

KEEP OUT OF REACH OF CHILDREN  
CAUTION

E.P.A. Registration No. 275-51  
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 8L use. DIPEL 8L does not interrupt the activities of beneficial and predacious arthropods in pest management programs.

Bacillus thuringiensis is exempt from the requirement of a tolerance on all raw agricultural commodities when applied to growing crops or after harvest in accordance with good agricultural practices.

### DIRECTIONS FOR USE

DIPEL 8L 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 8L 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 8L at the site of larval feeding.
- Under heavy pest population pressure, use the higher label rates and/or raise gallonage to improve spray coverage.
- 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.
- A spreader-sticker which has been approved for use on growing and harvested crops may be added if rain is anticipated to improve weather fastness of the spray deposits.

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

DIPEL 8L 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 8L. Always add the sticker to the water prior to the addition of DIPEL 8L. Add the desired volume of DIPEL 8L to the tank or plane hopper and continue circulation. Include rinse water from containers. Never add DIPEL 8L to the mix tank before introducing the desired quantity of water. Maintain the suspension while loading and spraying. Do not mix more DIPEL 8L than can be used in a 144 hour period. CAUTION: Rinse and flush spray equipment thoroughly following each use.

### 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 8L up to the time of harvest.

ICE

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**DIPEL 81 for Trees and Shrubs**

Group	Pest	Parts/100 Gallons* (Ground Equipment)	Parts/Gall (Aerial** Application)
Forest Shade	Cypress Moth	1 1/2 to 2 1/2	1 to 2 1/2
Sugar Maple	Bronzed Nymph	1/2 to 2 1/2	1 to 2 1/2
Trees and Shrubs	Bagworm	1/2 to 1	1/2 to 1
	Redbanded Caterpillar	1/2 to 1/2	1/2 to 1/2
	Spring & Fall Combsawer	1/2 to 1/2	1/2 to 1/2
	Fall Webworm	1/2	1/2
	Pin Spanworm	1/2 to 1	1/2 to 1
	Tom Caterpillars	1/2 to 1/2	1/2 to 1
	California Caterpillars	1/2 to 1/2	1/2 to 1/2
	Pink Borer	1	1
	Spruce Budworm	1 to 2 1/2	1 to 2 1/2
	Reddish Pinyon Caterpillar	1/2 to 1	1/2 to 1
	Doyle's Tortoise Moth	1	1
	Western Tortoise Moth	1/2 to 1	—
	Fire-tree Looper	1/2 to 1	—
	Black-headed Budworm	1	—
	Black-headed Budworm	1/2 to 1	—
Jack Pine Budworm	1/2 to 1	1/2 to 1	
Sod webworm	1/2 to 1	—	

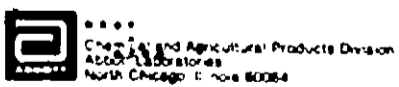
\*Water dilution rate for hydraulic sprayer may be varied depending on coverage. For most trees use the applicable amount (pts) in up to 10 gallons of water.

\*\*For aerial application use 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. DIPEL 81 should always be mixed with at least an equal amount of water for a listed application.

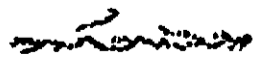
\*Use rates greater than 1 part in 100 for heavy populations. DIPEL 81 may be sprayed undiluted for the control of spruce budworm.

**NOTICE TO USER**

Seller makes no warranty, express or implied, of merchantability, fitness or other wise 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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E.P.A. Registration No. 275-51  
E.P.A. Est. No. 33762-1A-1

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ACCEPTED  
JUN 20 1984  
EPA REG. NO. 275-51

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**STORAGE AND DISPOSAL**  
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