

DIPEL 8L
DRAFT INSERT
EPA Reg. No. 275-51
April 8, 1985
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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. 33762-1A-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

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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.

ACCEPTED
JUN 3 1985
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 275-51

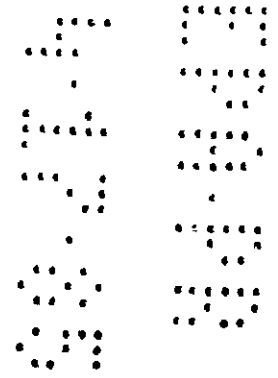
DIRECTIONS FOR USE

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 in-
stars) before extensive damage has oc-
curred.
- Larvae must be actively feeding on treat-
ed, exposed plant parts.
- Thorough spray coverage is needed to pro-
vide 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
gallage 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 ap-
proved 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 de-
pend 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 circula-
tion. 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.



DIPEL 8L for Trees and Shrubs

Crop	Pest	Pints/100 Gallons (Ground Equipment)	Pints/Acre (Aerial** Application)
Forest Shade Sugar Maple	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
Trees and Shrubs	Bagworm	1/2 to 1	1/2 to 1
	Redhumped Caterpillar	1/2 to 1	1/2 to 1
	Spring & Fall Cankerworm	1/2 to 1/2	1/2 to 1/2
	Fall Webworm	1/2 to 1/2	1/2 to 1/2
	Elm Spanworm	1/2	1/2
	Teal Caterpillars	1/2 to 1	1/2 to 1
	Teal Caterpillars	1/2 to 1/2	1/2 to 1
	California Oakworm	1/2 to 1/2	1/2 to 1/2
	Pine Butterfly	1	1
	Spruce Budworms [†]	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	1/2 to 1
	Fruitree Leafroller	1/2 to 1	1/2 to 1
	Blackheaded Budworm	1	1
Mimosa Webworm	1/2 to 1	1/2 to 1	
Jack Pine Budworm	1/2 to 1	1/2 to 1	
Saddleback Caterpillar	1/2 to 1	1/2 to 1	

[†]Water dilution rate for hydraulic sprayer may be varied depending on coverage. For mist blowers mix the applicable amount (pnt) 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. DIPEL 8L should always be mixed with at least an equal amount of water for diluted applications.
^{††}Use rates greater than 1 pint in Northern states for heavy populations. DIPEL 8L may be sprayed undiluted for the control of spruce budworm.

DIPEL 8L FOR CORN

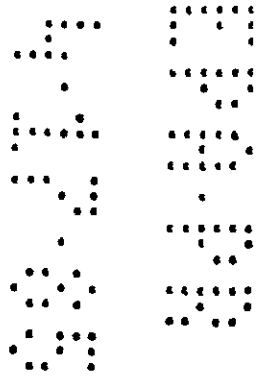
Crop	Pest	Pints/Acre (Ground Equipment)	Pints/Acre (Aerial* Application)	Pints/Acre (Center Pivot Irrigation)**
Field Corn, Seed Corn, Sweet Corn, Popcorn,	European Cornborer Southwestern corn- borer, First or second generation populations***	1 to 2	1 to 2	1 to 2

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* For aerial application, use in at least 2 gallons of water.

** Use irrigation levels of 1/4 to 2 inches of water per acre. Addition of a non-emulsifiable crop oil according to its label may enhance the efficacy of Dipel 8L.

Important: The Dipel 8L mixture with water in the holding tank must be agitated constantly before and during the injection period into the irrigation line. The active ingredient in Dipel 8L will settle in the tank if adequate agitation is not used.



Use only in systems that apply uniformly and have appropriate check valves. Do not apply when wind speed favors drift.

*****Timing:** Apply Dipel 8L at times dictated by university experiment station recommendations for conventional insecticide applications. One application against the first generation of European corn borer should be sufficient for determination of efficacy. Two or more applications may be required against Southwestern corn borers and the second generation of European corn borer.

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.



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